

Price Lists
13. January 2025



EKAFOL

PVC jacketing systems

EKATEC

Multilayered jacket with aluminium optic

EKAPLAST

The halogen free alternative

EKAMAT

Grained aluminium jacketing system

EKAFIX

Accessories, tools

EKATHERM

Insulated boxes

EKA Frost

Boxes for cold insulation

EKALIT

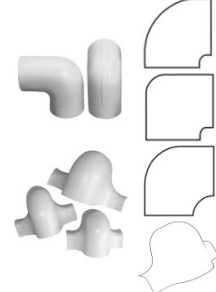
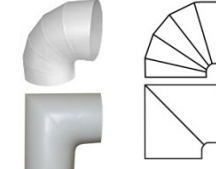
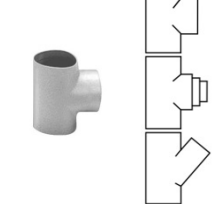
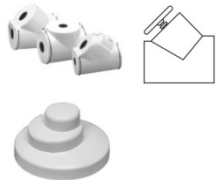
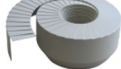
Endcappings

INDEX

Page

EKAFOL	Available form parts	3
EKAFOL	Pricelist - sheets and foil	4
EKAFOL	Pricelist - 90° bends	5-8
EKAFOL	Pricelist - 45° bends	9
EKAFOL	Pricelist - 90° bends in segment optic and elbows	10
EKAFOL	Pricelist - Special bends	11
EKAFOL	Pricelist - Tees	12
EKAFOL	Pricelist - Flange boxes	13
EKAFOL	Pricelist - Valve boxes	14
EKATEC	Available form parts	15
EKATEC	Pricelist - Cutted sheets and foil	16
EKATEC	Pricelist - 90° bends	17
EKATEC	Pricelist - 90° bends in segment optic and elbows	18
EKATEC	Pricelist - 45° bends	19
EKATEC	Pricelist - Tees	20
EKATEC	Pricelist - Boxes	21
EKAPLAST	Available form parts	23
EKAPLAST	Pricelist - Cutted sheets and foil	24
EKAPLAST	Pricelist - 90° bends	25
EKAPLAST	Pricelist - 45° bends	26
EKAPLAST	Pricelist - Tees	27
EKAMAT	Available form parts	29
EKAMAT	Pricelist - Cutted sheets and foil	30
EKAMAT	Pricelist - 90° bends	31
EKAMAT	Application for bends	32
EKAMAT	Pricelist - Tees and valve boxes	33
EKATHERM-FL / EKAFROST-FL	Pricelist - Valve PE soft boxes (Polyethylene)	35
EKALIT	Pricelist - Endcappings	36
EKAFIX	Pricelist - Accessories and tools for plastic jacketing	37
EKAFIX	Pricelist - Accessories and tools for aluminium-foil and metal jacketing	38
	<i>Terms and conditions (German)</i>	39

Form Parts **EKA FOL**

Product	Picture	Info
EKA FOL Foil and sheets		Rolls: Light grey-350μ, 1,0m x 35m (35m²) White-350μ and black-280μ, 1,2m x 25m (30m²) Sheets: With constant curl effect
EKA FOL Keutner - Bends		Keutner S-Form: One-piece-form with strengthening-rib on the back hill; for insulated welded bends
EKA FOL Bends and Elbows S, W, or GWS SCAN or EURO		S-Form: One-piece-form with plain back; for insulated welded bends with standard-radius 1,5D W-Form: One-piece-form with plain back; for insulated elbows with shorter radius 1D GWS-Form: Multi-fit, one-piece-form, for insulated welded, screwed bends and elbows SCAN/Euro: One-piece-form with plain back. The SCAN-Form is open, the EURO-Form has a 90° closed form.
EKA FOL Welded Bends		2-piece-form: Bends, two-piece-form, welded on the back
EKA FOL Bends 45°		1-piece-form: 45° - bends 2-piece-form: 45° - bends, welded on back
EKA FOL Bends segment- optic and angle- elbows		Segment-optic: Bends, one-piece-form Angle-Form: Angles, one-piece-form
EKA FOL Bends H and Norm 5		H-Form: For handdrawn bends, one-piece-form Norm 5-Form: For insulated bends with long radius according to "Norm 5" (radius 2,5), one-piece-form
EKA FOL Tees (T-junctions)		Standard: Equal & unequal tees Multi-fit: Tee with multi-fit junction Schräg: 45° diagonal-tee for insulated SML-, KG-, or HT-systems
EKA FOL Boxes		Boxes for flanges or flange-valves, without insulation material inside, made of PVC-material with thickness 1-2 mm. These boxes consist of 4 half ends, with insertable edges, 2 round covers and 2 fixing straps
EKA FOL Boxes and end caps		Boxes for screwed valves without insulation material inside. These boxes consist of 2 half covers, which have openings for the pipe and the spindle (including 2 stainless steel fixing wires) End-caps for insulation ends or for boiler-heads
EKALIT End sleeves		Endcappings made from PVC alternatively made from aluminum (shiny or grey)
EKA FIX Accessories		Accessories and tools for working with PVC jacketing system

Application

Pipe Outside- Ø	Insulation Thickness											
	15	20	25	30	35	40	50	60	70	80	90	100
	Circumference C in cm incl. 3 cm overlapping											
12	17	20	23	26	29	32	39	45	51	58	64	70
17	18	21	25	28	31	34	40	47	53	59	65	72
18	19	22	25	28	31	34	41	47	53	59	66	72
21	20	23	26	29	32	35	41	48	54	60	67	73
22	20	23	26	29	32	36	42	48	54	61	67	73
27	21	25	28	31	34	37	43	50	56	62	68	75
28	22	25	28	31	34	37	44	50	56	63	69	75
33	23	26	30	33	36	39	45	52	58	64	70	77
35	24	27	30	33	36	40	46	52	58	65	71	77
42	26	29	32	36	39	42	48	54	61	67	73	79
48	28	31	34	37	41	44	50	56	63	69	75	81
57	31	34	37	40	43	47	53	59	65	72	78	84
60	32	35	38	41	44	47	54	60	66	73	79	85
64	33	36	39	42	46	49	55	61	68	74	80	86
70	35	38	41	44	47	51	57	63	69	76	82	88
76	37	40	43	46	49	52	59	65	71	78	84	90
83	39	42	45	48	52	55	61	67	74	80	86	92
89	41	44	47	50	53	57	63	69	75	82	88	94
102	45	48	51	54	58	61	67	73	79	86	92	98
108	47	50	53	56	59	63	69	75	81	88	94	100
114	49	52	55	58	61	64	71	77	83	90	96	102
127	53	56	59	62	65	68	75	81	87	94	100	106
133	55	58	61	64	67	70	77	83	89	96	102	108
140	57	60	63	66	69	73	79	85	91	98	104	110
159	63	66	69	72	75	79	85	91	97	104	110	116
168	66	69	72	75	78	81	88	94	100	106	113	119
194	74	77	80	83	86	90	96	102	108	115	121	127
219	82	85	88	91	94	97	104	110	116	123	129	135
245	90	93	96	99	102	106	112	118	124	131	137	143
267	97	100	103	106	109	112	119	125	131	138	144	150

Formula to calculate your appropriate size:

Circumference C = Total-Ø in mm (Incl. insulation thickness) · 3,14 + 30,
the result is divided by 10 for cm!

Material: PVC light-grey, antistatic, impact, curling effect

Foil thickness: 350µ

Length of sheets: 1m

Overlapping: 30 mm (for bigger dimensions please calculate with more overlapping)

Other sizes on request

>> EKAFOL foil in rolls: price on request <<



Circumference in cm	Package in Meter	WG11		WG21	
		B1		B2	
		Art. Nr.	€/ Meter	Art. Nr.	€/ Meter
16	250	11016	2,38	21016	2,07
17	250	11017	2,52	21017	2,13
18	250	11018	2,66	21018	2,18
19	250	11019	2,76	21019	2,28
20	250	11020	2,88	21020	2,38
21	250	11021	2,96	21021	2,47
22	200*	11022	3,11	21022	2,70
23	200*	11023	3,32	21023	2,79
24	200*	11024	3,43	21024	2,90
25	200	11025	3,54	21025	2,93
26	200*	11026	3,61	21026	3,05
27	200	11027	3,88	21027	3,24
28	200	11028	3,94	21028	3,33
29	200	11029	4,04	21029	3,43
30	150	11030	4,27	21030	3,54
31	150	11031	4,49	21031	3,70
32	150*	11032	4,61	21032	3,88
33	150	11033	4,68	21033	3,96
34	150*	11034	4,90	21034	4,07
35	150	11035	5,01	21035	4,24
36	150	11036	5,24	21036	4,46
37	150	11037	5,38	21037	4,48
38	150	11038	5,57	21038	4,64
39	150	11039	5,78	21039	4,78
40	150	11040	5,78	21040	4,87
41	150	11041	5,99	21041	5,03
42	150	11042	6,06	21042	5,16
43	150	11043	6,18	21043	5,24
44	150	11044	6,35	21044	5,54
45	150	11045	6,59	21045	5,54
46	150	11046	6,77	21046	5,58
47	150	11047	6,86	21047	5,74
48	150	11048	6,93	21048	5,87
49	150	11049	7,10	21049	6,01
50	150	11050	7,21	21050	6,08
51	150	11051	7,42	21051	6,28
52	150	11052	7,61	21052	6,36
53		11053	7,74	21053	6,76
54		11054	7,85	21054	6,82
55		11055	8,00	21055	6,86
56		11056	8,18	21056	6,88
57		11057	8,29	21057	6,92
58		11058	8,36	21058	7,15
59		11059	8,61	21059	7,27
60		11060	8,76	21060	7,35
61		11061	8,93	21061	7,52
62		11062	9,03	21062	7,61
65		11065	9,47	21065	8,05
66		11066	9,63	21066	8,22
70		11070	10,29	21070	8,55
71		11071	10,61	21071	8,70
75		11075	10,87	21075	8,76
76		11076	11,37	21076	9,27
77		11077	11,63	21077	9,43
80		11080	11,84	21080	9,85
81		11081	12,08	21081	10,22

* These dimensions are on stock

Prices without VAT

Dimensions in mm, if not written differently

Order Number - Norm 3 - Standard Bends and Elbows 90° in light grey																
Pipe Ø	Insul. Thickn.	Price €/piece	One-piece "KEUTNER"		Two-piece welded		1-piece, plain (Euro-S)		1-piece, plain (Euro-W)		1-piece, open (Scan-S)		1-piece, open (Scan-W)		One-piece (GWS)	
			WG12	Pack	WG24	Pack	WG15s	Pack	WG15w	Pack	WG26s	Pack	WG26w	Pack	WG14k	Pack
Insulation Thickness = 9 mm																
18	9	2,79							15w018009	200			26w018009	500		
22	9	2,79							15w022009	200			26w022009	500		
Insulation Thickness = 13 mm																
12	13	2,88							15w012013	200			26w012013	500		
15	13	2,88							15w015013	200			26w015013	500		
18	13	2,88							15w018013	200			26w018013	500		
22	13	2,88							15w022013	200			26w022013	500		
28	13	3,88							15w028013	200			26w028013	500		
35	13	3,88							15w035013	160			26w035013	500		
Insulation Thickness = 15 mm																
12	15	2,88							15w012015	200			26w012015	500		
18	15	2,88							15w018015	250			26w018015	500		
22	15	2,88							15w022015	200			26w022015	500		
28	15	3,92							15w028015	200			26w028015	500		
35	15	3,92							15w035015	160			26w035015	500		
42	15	4,04							15w042015	250			26w042015	500		
48	15	4,46							15w048015	250			26w048015	500		
54	15	5,56							15w054015	160			26w054015	500		
60	15	5,56							15w060015	300			26w060015	500		
76	15	7,97							15w076015	300			26w076015	500		
Insulation Thickness = 20 mm																
12	20	2,96					15s012020	500			26s012020	500	26w012020	500		
15	20	2,96	12015020	500	24018020	440										
18	20	2,96	12018020	500	24018020	440	15s018020	500	15w018020	400	26s018020	500	26w018020	500	14k018020	500
22	20	2,96	12022020	400	24022020	360	15s022020	500	15w022020	400	26s022020	500	26w022020	500	14k022020	400
28	20	4,04	12028020	400	24028020	300	15s028020	500	15w028020	400	26s028020	500	26w028020	500	14k028020	500
35	20	4,04	12035020	400	24035020	240	15s035020	500	15w035020	400	26s035020	500	26w035020	500	14k035020	400
38	20		12042020	500	24022030	260										
42	20	4,46	12042020	500	24022030	260	15s042020	400	15w042020	200	26s042020	500	26w042020	500	14k042020	300
48	20	4,46	12048020	400	24048020	240	15s048020	240	15w048020	300	26s048020	500	26w048020	500	14k048020	300
54	20	6,08	12054020	400			15s054020	240	15w054020	200	26s054020	400	26w054020	400		
60	20	6,08	12057020	400	24060020	180	15s060020	200	15w060020	200	26s060020	400	26w060020	400		
64	20	7,61	12064020	300	24064020	160	15s064020	300			26s064020	300				
70	20	8,32	12070020	200	24070020	140	15s070020	200			26s070020	300				
76	20	8,32	12076020	180			15s076020	180	15w076020	150	26s076020	300	26w076020	300		
89	20	9,91	12089020	180			15s089020	180	15w089020	300	26s089020	300	26w089020	300		
102	20	12,84	12089030	180	24108020	60	15s102020	80			26s102020	200				
108	20	12,84	12108020	180	24108020	60	15s108020	80			26s108020	100				
114	20	18,97	12089035	100	24108030	80	15s114020	100	15w114020	100	26s114020	100	26w114020	100		
127	20		12108030	100												
133	20		12108030	100												
140	20		12114030	100												
159	20		12114040	50							26s140030	50				
Insulation Thickness = 25 mm																
18	25	4,04	12028020	400	24028020	300	15s018025	500	15w018025	400	26s018025	500	26w018025	500	14k028020	500
22	25	4,04	12022025	500	24035020	240	15s022025	500	15w022025	400	26s022025	500	26w022025	500		
28	25	4,07	12028025	400	24028025	240	25s028025	400	25w028025	400	26s028025	500	26w028025	500	14k028025	300
35	25	4,46	12035025	300	24035025	220	15s035025	300	15w035025	300	26s035025	500	26w035025	500		
38	25	4,46	12042025	400	24048020	240										
42	25	4,46	12042025	400	24035030	220	15s042025	300	15w042025	300	26s042025	400	26w042025	400		
48	25	5,64	12048025	400	24048025	180	15s048025	200	15w048025	300	26s048025	300	26w048025	300	14k048025	300
60	25	7,42	12060025	300	24060025	160	15s060025	150	15w060025	200	26s060025	300	26w060025	300		
64	25	8,43	12064025	200	24064025	160										
70	25	8,43	12070025	200	24070025	120	15s070025	200			26s070025	200				
76	25	8,43	12076025	200	24076025	120	15s076025	200	15w076025	200	26s076025	200	26w076025	200		
89	25	11,32	12089025	180	24089025	80	15s089025	180	15w089025	100	26s089025	200	26w089025	200		
102	25	18,97	12089035	100			15s102025	100			26s102025	100				
108	25	18,97	12089035	100			15s108025	100			26s108025	100				
114	25	18,97	12108030	100			15s114025	100			26s114025	100				
133	25	21,94	12108040	100			15s133025	100			26s133025	50				
140	25	23,42	12114040	50							26s140025	50				

Standard-color: light grey.
On demand are "EURO" and "SCAN"-
bends also in white or black available.
Attention: different discounts!

Order Number - Norm 3 - Standard Bends and Elbows 90° in light grey																
Pipe Ø	Insul. Thickn.	Price €/piece	One-piece "KEUTNER"		Two-piece welded		1-piece, plain (Euro-S)		1-piece, plain (Euro-W)		1-piece, open (Scan-S)		1-piece, open (Scan-W)		One-piece (GWS)	
			WG12	Pack	WG24	Pack	WG15s	Pack	WG15w	Pack	WG26s	Pack	WG26w	Pack	WG14k	Pack
Insulation thickness = 25 mm																
159	25	25,11	12108050 *	50							26s159025	50				
168	25	26,96	12114050 *	50							26s168025	50				
219	25	48,84									26s219025	25				
Insulation thickness = 30 mm																
18	30	4,07	12028025	400	24028025	240	15s018030	400	15w018030	400	26s018030	500	26w018030	500	14k018030	400
22	30	4,46	12022030	300	24022030	260	15s022030	400	15w022030	400	26s022030	500	26w022030	500	14k022030	400
28	30	4,46	12028030	300	24028030	260	15s028030	300	15w028030	300	26s028030	500	26w028030	500	14k028030	300
35	30	4,46	12035030	300	24035030	220	15s035030	300	15w035030	300	26s035030	400	26w035030	400	14k035030	300
42	30	5,90	12042030	400	24042030	160	15s042030	200	15w042030	300	26s042030	300	26w042030	300	14k042030	300
48	30	6,08	12048030	300	24048030	160	15s048030	200	15w048030	300	26s048030	300	26w048030	300	14k048030	300
54	30	8,43	12054030	200			15s054030	200			26s054030	300				
60	30	8,43	12060030	200	24060030	160	15s060030	150	15w060030	200	26s060030	300	26w060030	300	14k060030	200
64	30	8,43	12064030	240	24064030	140	15s064030	240			26s064030	200				
70	30	10,24	12070030	180	24076030	80	15s070030	180	15w070030	200	26s070030	200				
76	30	10,24	12076030	180	24076030	80	15s076030	180	15w076030	200	26s076030	200	26w076030	200		
89	30	12,84	12089030	180	24089030	80	15s089030	80	15w089030	100	26s089030	100	26w089030	100		
102	30	18,97	12108030	100	24108030	80	15s102030	100			26s102030	100				
108	30	18,97	12108030	100	24108030	80	15s108030	100			26s108030	100				
114	30	21,11	12114030	100	24114030	40	15s114030	60	15w114030	100	26s114030	100	26w114030	100		
127	30		12108040	100	24133030	40	15s108040	100			26s133030	100				
133	30	23,42	12114040	50	24133030	40					26s133030	100				
140	30	25,11	12108050 *	50							26s140030	50				
159	30	26,96	12114050 *	50							26s159030	50				
168	30	29,78	12108060 *	50							26s168030	50				
194	30	53,29	12140060 *	25							26s194030	25				
219	30	53,29									26s219030	25				
Insulation thickness = 32,5 mm																
76	32,5	13,48									26s076032	200	26w076032	200		
89	32,5	13,48									26s089032	100	26w089032	100		
Insulation thickness = 35 mm																
35	35				24048030	160										
38	35				24048030	160										
44	35				24060030	160										
48	35				24060030	160										
60	35				24060040	80										
64	35				24076030	80										
70	35				24089030	80										
76	35				24070040	80										
89	35	18,97	12089035	100	24089035	80										
102	35		12108030	100	24108035	100										
108	35	21,11	12114030	100	24108035	100										
114	35	23,22	12114040	50	24114035	100										
127	35		12108050 *	50	24133035	40										
133	35	24,43			24133035	40										
Insulation thickness = 40 mm																
18	40	6,26			24018040	180	15s018040	200	15w018040	200	26s018040	400	26w018040	400		
22	40	6,26	12022040	300	24022040	160	15s022040	200	15w022040	200	26s022040	400	26w022040	400		
28	40	7,42	12028040	200	24028040	160	15s028040	300	15w028040	200	26s028040	300	26w028040	300		
35	40	8,43	12035040	200	24035040	160	15s035040	200	15w035040	200	26s035040	300	26w035040	300	14k035040	200
42	40	9,91	12042040	200	24042040	120	15s042040	150	15w042040	200	26s042040	200	26w042040	200	14k042040	200
48	40	9,91	12048040	200	24048040	120	15s048040	120	15w048040	200	26s048040	200	26w048040	200	14k048040	200
54	40	12,84	12054040	180			15s054040	100			26s054040	200				
60	40	12,84	12060040	180	24060040	80	15s060040	100	15w060040	180	26s060040	200	26w060040	200	14k060040	180
64	40	14,73	12064040	180	24070040	80	15s070040	80			26s064040	200				
70	40	14,73	14070040	100	24070040	80	15s070040	80			26s070040	200				
76	40	18,03	12076040	100	24076040	60	15s076040	80	15w076040	150	26s076040	100	26w076040	100	14k076040	150
89	40	20,23	12089040	100	24089040	40	15s089040	100	15w089040	100	26s089040	100	26w089040	100		
102	40	23,42	12108040	100	24108040	40	15s102040	100			26s102040	100				
108	40	23,42	12108040	100	24108040	40	15s108040	100			26s108040	100				
114	40	23,42	12114040	50	24114040	40			15w114040	100	26s114040	100	26w114040	100		
127	40		12108050 *	50	24133040	40										

Standard-color: light grey.
On demand are "EURO" and "SCAN"-
bends also in white or black available.
Attention: different discounts!

Price without VAT

Grey: alternative dim.

Pack = Package

* Keutner in opened
delivery form

Order Number - Norm 3 - Standard Bends and Elbows 90° in light grey																
Pipe Ø	Insul. Thickn.	Price €/piece	One-piece "KEUTNER"		Two-piece welded		1-piece, plain (Euro-S)		1-piece, plain (Euro-W)		1-piece, open (Scan-S)		1-piece, open (Scan-W)		One-piece (GWS)	
			WG12	Pack	WG24	Pack	WG15s	Pack	WG15w	Pack	WG26s	Pack	WG26w	Pack	WG14k	Pack
Insulation thickness = 40 mm																
133	40	26,96	12114050 *	50	24133040	40					26s133040	50				
140	40	26,96	12114050 *	50	24140040	30					26s140040	50				
159	40	29,78	12133050 *	50	24159040	60					26s159040	50				
168	40	31,18	12140050 *	25	24168040	60					26s168040	50				
194	40	58,16									26s194040	25				
219	40	65,82									26s219040	25				
Insulation thickness = 45 mm																
48	45				24060040	80										
60	45				24089030	80										
76	45				24070050	60										
89	45				24060060	60										
102	45				24114040	40										
108	45				24114045	50										
114	45	25,11	12108050 *	50	24114045	50										
127	45	26,96	12114050 *	50	24127045	50										
133	45	29,78	12108060 *	50	24133045	50										
140	45	29,78	12133050 *	50	24140045	50										
159	45	31,18	12140050 *	25	24159045	50										
Insulation thickness = 50 mm																
17	50	10,00					15s018050	200	15w018050	200	26s018050	200	26w018050	200		
22	50	10,00	12022050	200			15s022050	200	15w022050	200	26s022050	200	26w022050	200		
28	50	10,00	12028050	200			15s028050	200	15w028050	200	26s028050	200	26w028050	200	14k028050	200
35	50	12,55	12035050	150	24035050	80	15s035050	150	15w035050	180	26s035050	200	26w035050	200	14k035050	100
42	50	13,83			24042050	80	15s042050	100	15w042050	180	26s042050	200	26w042050	200	14k042050	100
48	50	14,30	12048050	100	24048050	60	15s048050	100	15w048050	180	26s048050	200	26w048050	200	14k048050	150
54	50	16,43	12054050	180	24054050	60	15s054050	100			26s054050	200				
60	50	16,66	12060050	180	24060050	60	15s060050	80	15w060050	100	26s060050	100	26w060050	100	14k060050	100
64	50	18,68	12064050	100			15s064050	100			26s064050	100				
70	50	18,68			24070050	60	15s070050	50	15w070050	100	26s070050	100	26w070050	100		
76	50	20,23	12076050	100	24076050	40	15s076050	50	15w076050	100	26s076050	100	26w076050	100	14k076050	100
89	50	22,23	12089050	100	24089050	40	15s089050	100	15w089050	100	26s089050	100	26w089050	100		
102	50	25,11	12108050 *	50	24108050	40					26s102050	100				
108	50	25,11	12108050 *	50	24108050	40					26s108050	100				
114	50	26,96	12114050 *	50	24114050	40					26s114050	50				
127	50		12108060 *	50	24133050	60										
133	50	29,78	12133050 *	50	24133050	60					26s133050	50				
140	50	31,18	12140050 *	25	24140050	60					26s140050	50				
159	50	40,86	12159050 *	25	24159050	60					26s159050	50				
168	50	44,34			24168050	40					26s168050	50				
194	50	64,06			24194050	40					26s194050	30				
219	50	71,59			24219050	40					26s219050	20				
245	50	82,01									26s245050	20				
267	50	88,89									26s267050	10				
273	50	102,22									26s273050	10				
324	50	137,67									26s324050	10				
Insulation thickness = 52,5 mm																
114	52,5	25,49									26s114052	50				
Insulation thickness = 60 mm																
28	60	14,30	12048050	100												
33	60	16,23					15s035060	100			26s035060	150				
42	60	16,23					15s042060	100			26s042060	150				
48	60	17,71					15s048060	100			26s048060	150	26w048060	150		
60	60	22,36	12060060	100	24060060	60	15s060060	100	15w060060	100	26s060060	100	26w060060	100		
64	60	23,86	12064060	100	24064060	40	15s064060	100			26s064060	100				
70	60	27,09	12076060	100	24076060	40	15s070060	100			26s070060	100				
76	60	27,09	12076060	100	24076060	40	15s076060	100	15s042080	50	26s076060	100			14k076060	100
89	60	27,09	12089060	100	24089060	40	15s089060	100			26s089060	100				
102	60	29,78	12108060 *	50	24108060	40					26s102060	100				
108	60	29,78	12108060 *	50	24108060	40					26s108060	100				
114	60	30,36	12133050 *	50	24114060	40					26s114060	50				

* Keutner in opened
delivery form

Price without VAT
Grey: alternative dim.
Pack = Package

Order Number - Norm 3 - Standard Bends and Elbows 90° in light grey																
Pipe Ø	Insul. Thicken.	Price €/piece	One-piece "KEUTNER"		Two-piece welded		1-piece, plain (Euro-S)		1-piece, plain (Euro-W)		1-piece, open (Scan-S)		1-piece, open (Scan-W)		One-piece (GWS)	
			WG12	Pack	WG24	Pack	WG15s	Pack	WG15w	Pack	WG26s	Pack	WG26w	Pack	WG14k	Pack
Insulation thickness = 60 mm																
127	60		12140050 *	25	24133060	40										
133	60	40,86	12140060 *	25	24133060	40					26s133060	50				
140	60	40,86	12140060 *	25	24140060	40					26s140060	50				
159	60	48,50			24159060	25					26s159060	50				
168	60	62,10			24168060	25					26s168060	50				
194	60	69,32			24194060	25					26s194060	30				
219	60	80,37			24219060	25					26s219060	25				
267	60	92,13			24267060	25										
Insulation thickness = 70 mm																
35	70	23,86											26w035070	100		
42	70	24,92											26w042070	100		
48	70	26,46					15s048070	100			26s048070	100	26w048070	100		
60	70		12076060	100												
70	70	30,32	12070070	100	24076070	40					26s070070	100				
76	70	30,32	12076070	100	24076070	40	15s076070	100			26s076070	100				
89	70	32,77	12089070 *	50							26s089070	100				
108	70	40,65			24108070	40					26s108070	100				
114	70				24108070	40										
127	70				24133070	50										
133	70	54,63			24133070	50					26s133070	50				
140	70	54,63	12140070 *	50	24133070	50										
159	70	55,31			24159070	40										
168	70	68,53									26s168070	50				
Insulation thickness = 80 mm																
42	80	28,59					15s042080	50	15w042080	50	26s042080	50	26w042080	50		
48	80	31,31					15s048080	50			26s048080	50	26w048080	50		
60	80	31,77	12060080 *	100							26s060080	50				
70	80		12076080 *	50	24076080	40										
76	80	43,47	12076080 *	50	24076080	40					26s076080	50	26w076080	50		
89	80	48,84			24089080	40					26s089080	50	26w089080	50		
108	80	50,94	12108080 *	50	24108080	40					26s108080	50				
114	80	53,13	12114080 *	50	24114080	40					26s114080	50				
127	80		12133080 *	50	24133080	40										
133	80	59,85	12133080 *	30	24133080	40					26s133080	50				
140	80	62,10			24140080	40					26s140080	50				
159	80	69,75	12159080 *	20	24159080	40					26s168080	50				
168	80	79,30			24168080	40					26s168080	50				
194	80	79,30									26s194080	25				
219	80	93,15			24219080	20					26s219080	25				
245	80	102,40									26s245080	25				
267	80	116,44									26s267080	10				
273	80	130,04									26s273080	10				
Insulation thickness = 90 mm																
42	90	44,78											26w042090	50		
48	90	44,88											26w048090	50		
60	90	51,80									26s060090	50				
76	90	54,68									26s076090	50				
Insulation thickness = 100 mm																
35	100	46,60									26s035100	100				
48	100												26w089080	50		
60	100	58,14	12057100 *	50							26s060100	25	26w060100	25		
76	100	61,92	12076100 *	50							26s076100	25	26w076100	25		
89	100	65,08			24089100	30					26s089100	50				
108	100	65,81			24108100	30					26s108100	50				
114	100	65,81			24108100	30					26s114100	50	26w114100	50		
127	100				24133100	25										
133	100	72,57			24133100	25					26s133100	50				
140	100	72,57			24133100	25					26s140100	50	26w140100	25		
159	100	81,27			24159100	25					26s159100	25				
168	100	88,86			24168100	25					26s168100	25	26w168100	25		
194	100	104,29			24194100	20					26s194100	25				
219	100	124,49			24219100	20					26s219100	25				
245	100	135,42			24245100	10										
267	100	146,48			24267100	10					26s267100	10				

Standard-color: light grey.
On demand are "EURO" and "SCAN"-bends also in white or black available.
Attention: different discounts!

Price without VAT

Grey: alternative dim.

Pack = Package

* Keutner in opened delivery form

Application for 90° and 45° SML, KG and HT elbows

DN	Insulation Thickness (mm) - 90°			
	20	30	40	50
50	15w048030	15w048040	15w048050	15w060050
70	15w060030	15w060040	15w060050	15w076050
80	15w060040	15w060050	15w076050	15w089050
100	15w076040	15w076050	15w076050	26s076070
125	15w089050	15w076060	26s060080	26s076080
150	15s076060	26s076080	26s089080	26s108080

DN	Insulation Thickness (mm) - 45°			
	20	30	40	50
50	1445102	1445128	1445141	1445167
70	1445128	1445141	1445167	1445180
80	1445141	1445154	1445180	1445193
100	1445154	1445180	1445193	1445219
125	1445180	1445206	1445219	1445232
150	1445219	1445232	1445245	1445258

① SML = Sewer pipes made of cast iron

① KG = Sewerage pipes

① HT = High temp. pipes

45° - bends

Ø incl. Insulation	One-piece, opened Form, WG14			Two-piece, welded Form, WG24		
	Package	Order.No.	€/piece	Package	Order.No.	€/piece
40	500	1445040	3,24			
52	500	1445052	3,29			
58	500	1445058	3,81	400	2445058	3,32
62	500	1445062	3,85	400	2445062	3,35
68				300	2445068	3,35
72	500	1445072	4,43			
75				260	2445075	4,43
78				250	2445078	4,43
82	500	1445082	5,24			
85				200	2445085	5,01
88				250	2445088	5,06
92	400	1445092	5,94	140	2445092	5,74
95				160	2445095	6,03
98				180	2445098	6,06
102	400	1445102	6,11	160	2445102	6,59
110				160	2445110	7,87
115	300	1445115	8,36	160	2445115	8,29
120				160	2445120	9,33
128	200	1445128	9,91	160	2445128	9,85
136				140	2445136	10,55
141	200	1445141	12,81	160	2445141	12,71
149				140	2445149	13,01
154/156	100	1445154	17,99	120	2445156	17,90
160				100	2445160	19,42
167/169	100	1445167	20,13	100	2445169	19,99
176/180	100	1445180	20,13	100	2445176	19,99
189				100	2445189	24,43
193	100	1445193	23,34			
206	50	1445206	24,95			
219	50	1445219	26,87			
232	50	1445232	33,97			
245	50	1445245	35,52			
258	50	1445258	38,66			
271	50	1445271	43,89			

Standard-color: light grey. On demand are "One-piece-bends" available also in white or black. Attention: different discounts!



45° One-piece



45° Two-piece

Prices without taxes

Dimensions in mm

90° Segment-optic

WG12sg

Total OD incl. Insulation	Middle radius	Qn. of segments	Pack.	Order No.	€/piece
40	45	4	200	12sg040	2,86
50	50	4	200	12sg050	2,96
60	50	4	200	12sg060	2,96
70	55	4	150	12sg070	4,04
80	60	4	150	12sg080	4,46
90	60	4	100	12sg090	4,46
100	70	4	60	12sg100	5,90
110	70	4	60	12sg110	8,43
120	80	4	60	12sg120	8,43
130	80	4	60	12sg130	10,00
140	90	4	40	12sg140	12,84
150	90	4	25	12sg150	18,03
160	95	4	25	12sg160	20,23
170	100	4	25	12sg170	20,23
180	110	4	25	12sg180	20,23
190	110	4	25	12sg190	22,23
200	125	4	25	12sg200	30,32
210*	120	4	25	12sg210	30,32
220*	130	4	25	12sg220	30,32
230*	130	4	25	12sg230	32,77
240*	145	4	10	12sg240	45,24
250*	155	5	10	12sg250	45,24
260*	160	5	10	12sg260	58,14
270*	170	5	10	12sg270	61,92
280*	175	6	10	12sg280	63,19
290*	180	6	10	12sg290	63,19
300*	185	6	10	12sg300	65,81
310*	190	6	10	12sg310	65,81
320*	190	6	10	12sg320	69,75
330*	195	6	10	12sg330	72,57
340*	200	6	10	12sg340	72,57
350*	210	7	10	12sg350	81,27
360*	215	7	10	12sg360	81,27
370*	230	7	10	12sg370	81,27
380*	270	7	10	12sg380	104,29
390*	270	7	10	12sg390	104,29
400*	280	7	10	12sg400	104,29



90° Corner-elbows

WG14_

Total OD incl. insulation		Package	Order No.	Price €/piece
mm	Inch			
40	1 4/7	100	14_02	2,65
48	1 8/9	100	14_03	2,88
53	2	100	14_04	3,04
63	2 1/2	100	14_05	3,42
69	2 5/7	100	14_06	3,98
79	3 1/9	100	14_07	4,35
83	3 1/4	100	14_08	4,63
90	3 1/2	100	14_09	5,00
103	4	100	14_10	6,03
115	4 1/2	100	14_11	9,22
128	5	100	14_12	13,49
139	5 1/2	100	14_13	15,30
160	6 2/7	50	14_14	20,46
169	6 2/3	50	14_15	28,00



Production to order and delivery partly as open-form

Photo: Bend with 5 optical segments

* opened delivery form

Prices without VAT

Dimensions in mm

WG 14h **90° H - One-piece-form**

Pipe-Ø OD Order No.	Insulation Thickness		
	20 €/piece	25 €/piece	30 €/piece
21	3,94 14h022020	5,52 14h022025	6,18 14h022030
27	5,58 14h028020	6,54 14h028025	7,71 14h028030
35	6,06 14h035020	6,82 14h035025	8,18 14h035030
42/44	6,99 14h042020	11,91 14h042025	14,84 14h042030



WG 14n or 26n

90° Norm 5 - One-piece-form (Radius 2,5D)

Pipe-Ø OD Order No.	Insulation Thickness											
	15 €/piece	20 €/piece	25 €/piece	30 €/piece	40	50	60	70	80	90	100	
18		3,98 26n018020										
22	3,98 14n022015	4,07 14n022020		12042020	12042030	12042040						
28	3,98 14n028015	5,78 14n028020	6,54 26n028025	7,03 26n028030	12048030	12048040	12048050					
35	4,41 14n035015	5,78 14n035020	7,03 26n035025	12057020	12057030	12060040	12060050					
42/44	6,06 14n042015	6,11 14n042020	9,61 26n042025	13,40 14n042030	12076025	12064040	12064050	12089050		12070070		
48		7,53 14n048020		14,46 14n048030	12089020	12089030	12089040	12089050		12089060		
57/60		9,61 14n060020		19,62 14n060030	12089030	12108030	12108040	12108050		12108060	26s108070	12108080
64				12089020	12089030	12108030	12108040	12108050		12108060	26s108070	12108080
70	9,61 14n070015	13,53 14n070020		12089020	12089035	12114030	12114040	12114050		12133050	12133060	12114080
76				12089025	12089035	12114030	12114040	12114050		12133050	12133060	12133080
89				31,26 14n089030	12114030	12114040	12114050	12140050	12159050	26s168050	24159070	
102								12140050	26s168050	26s194050	26s194060	
108								12159050	26s168050	26s194050	26s194060	
114								12159050	26s194040	26s194050	26s194060	
127									26s219040	26s219050	26s219060	
133									26s219040	26s219050	26s219060	
140									26s219040	26s219050	26s219060	
159											26s267050	
168											26s267050	



Grey = alternative dimension of the standard 90°-programm on pages 5 to 8

Production to order

Prices without VAT

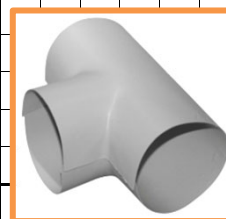
Dimensions in mm

90° Standard-Tees

Only the colored dimensions available

WG17	Total Diameter (incl. insulation)																																€/Piece
	52	57	61	67	73	82	88	93	100	102	108	116	120	128	130	136	140	149	156	169	176	182	189	194	214	245	268	300	323				
Total Diameter from the Main Pipe (incl. insulation)	52																													5,06			
	57																													5,19			
	61																													5,51			
	67																													5,54			
	73																													5,59			
	82																													6,30			
	88																													6,73			
	93																													7,70			
	100																													8,29			
	102																													8,52			
	108																													8,99			
	116																													9,66			
	120																													9,98			
	128																													13,49			
	130																													13,81			
	136																													14,33			
	140																													14,73			
	149																													15,87			
	156																													16,33			
	160																													24,77			
169																													29,50				
176																													32,26				
182																													32,67				
189																													32,94				
194																													32,79				
214																													33,11				
245																													35,67				
268																													51,26				
300																													67,30				
323																													74,84				

Standard-Color: light grey, on demand are Tees also in black and white colors available. Attention: different discounts!



Standard-Color: light grey, on demand are Tees also in black and white colors available. Attention: different discounts!

90° tees with multi-fit junction

Total Ø Main Pipe	Total Ø Junction Pipe	Combination / Graduated Junctions (examples)	€/Piece
61	61-57	21-20 / 17-20	5,51
67	67-57	27-20 / 21-20 / 17-20	5,54
73	73-57	33-20 / 27-20 / 21-20 / 17-20	5,59
82	82-57	42-20 / 27-20 / 21-20 / 17-20	6,30
88	67-57	27-20 / 21-20 / 17-20	6,73
93	93-57	33-30/42-25/33-20/27-20/21-20/17-20	7,70
102	102-57	42-30 / 33-30 / 27-20 / 21-20 / 17-20	8,52
120	93-67	42-25 / 33-20 / 27-20	9,98
120	120-98	60-30 / 57-25 / 48-25	9,98
160	160-93	60-50 / 48-40 / 42-30 / 33-30	24,72



45° diagonal tees*

Total Ø Main Pipe	Total Ø Junction Pipe	€/Piece	Total Ø Main Pipe	Total Ø Junction Pipe	€/Piece
96	80	24,77	160	160	51,26
96	90	29,50	176	136	67,30
100	100	33,11	176	176	67,30
103	90	33,11	190	180	80,41
115	90	33,11	196	196	89,35
110	100	33,11	203	190	89,35
116	110	33,11	219	190	102,60
123	110	33,11	230	190	120,25
130	90	35,67	236	236	120,45
136	110	35,67	240	240	120,89
136	136	35,67	276	216	121,56
150	110	51,26	276	276	121,82
156	156	51,26			

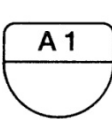
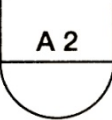
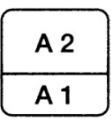
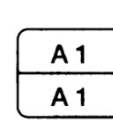
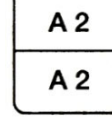
* Auf Bestellung

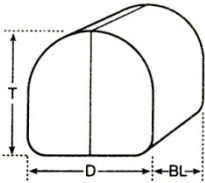


Prices without VAT

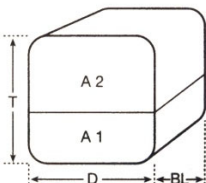
Dimensions in mm

PVC boxes for valves with flange-connections

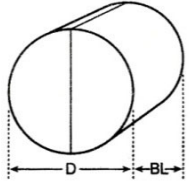
														
	Valve box B, standard,	Form	Valve box B	Form	Valve box B	Form	Square box Form D Standard A1+A2		Square box Form D A1+A1		Square box Form D A2+A2		Flange box Form A	
													BL	BL 1/2
DN	T	€/Piece	T	€/Piece	T	€/Piece	T	€/Piece	T	€/Piece	T	€/Piece	€/Piece	€/Piece
15/20	180	63,95	160	62,08	200	73,78	190	70,46	140	59,46	240	81,30	60,86	53,89
25	200	65,99	170	64,14	220	75,83	210	72,36	160	60,58	260	83,95	63,16	56,71
32	230	81,02	190	72,05	240	86,60	230	87,09	180	72,57	280	101,48	66,59	57,86
40	240	87,40	210	85,05	280	101,14	260	96,87	190	80,61	330	112,85	83,88	71,89
50	290	119,10	260	114,00	310	136,44	300	129,84	250	107,43	350	152,37	113,44	95,96
65	320	131,63	280	124,71	340	149,82	330	143,79	270	118,56	390	168,88	123,23	103,36
80	330	138,38	305	131,14	345	157,71	340	151,24	300	124,71	380	177,76	129,66	111,78
100	380	170,54	335	159,33	365	192,26	370	184,52	340	151,48	400	217,45	158,87	127,23
125	420	223,68	360	185,33	395	228,84	405	238,07	370	194,32	440	281,33	167,38	135,04
150	470	247,97	400	203,62	450	251,68	460	261,68	410	213,64	510	309,73	183,35	146,90



Form B,
standard valve box



Form D, square box



Form A,
flange box

Dimensions

DN	Rohr Ø	Flansch	Isolier- stärke
15/20	28	105	30
25	34	115	30
32	42	140	30
40	48	150	40
50	57	165	50
65	76	185	50
80	89	200	50
100	114	220	50
125	133	250	50
150	159	285	50

D	T	BL
160	180	260
180	200	280
200	230	300
230	240	350
270	290	400
290	320	470
310	330	500
330	380	550
350	420	590
390	470	650

D	A1	A2	T	BL
160	70	120	190	260
180	80	130	210	280
200	90	140	230	300
230	95	165	260	350
270	125	175	300	400
290	135	195	330	470
310	150	190	340	500
330	170	200	370	550
350	185	220	405	590
390	205	255	460	650

D	BL
160	260
180	280
200	300
230	350
270	400
290	470
310	500
330	550
350	590
390	650

D = Diameter
T = Depth
BL = Box Length

Prices without VAT
Dimensions in mm



Each empty box consits

- 4 tops
- 2 jacketing mantles
- 2 straps with locks

Special lengths on request: + 1% per cm on the regular price

Boxes for different screwed valves

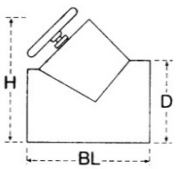
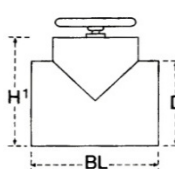
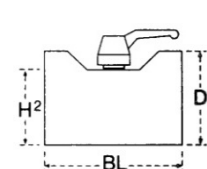
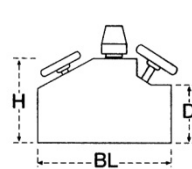
WG18

										
	Diagonal box without drainage *		Diagonal box with drainage *		Straight box		Ball valve box		Multitherm	
DN	Pck.	€/piece	Pck.	€/piece	Pck.	€/piece	Pck.	€/piece	Pck.	€/piece
10					50	23,02				
15	50	27,09	50	27,09	50	23,02	50	23,02	50	29,02
20	50	29,00	50	29,00	50	25,38	50	25,38	40	32,77
25	30	32,77	30	32,77	30	29,91	30	29,91	20	38,62
32	20	38,66	20	38,66	30	34,66	30	34,66		
40	15	45,59			20	38,66	20	38,66		
50	10	59,16			10	46,33	10	46,33		
65	5	77,65								
Cap for drainage-spindle				5,03						

* For mudflaps are the diagonal boxes
also without spindle-holes available

Each empty box consits
2 half parts
2 tightening wires

Dimensions

																
DN	Pipe outside-Ø		Insul. Thickn.	Diagonal			Straight			Ball-valve				Multitherm		
	Fe	Cu		D	H	BL	D	H	BL	D	H²	BL	F	D	H	BL
10	17,2	15	20-26				68	80	90							
15	21,3	18	20-27	80	115	120	72	80	95	72	55	95	36	70	90	142
20	26,9	22	20-31	88	127	137	85	95	110	85	68	110	45	80	102	160
25	33,7	28	30-38	108	137	167	105	110	135	105	83	135	54	103	123	176
32	42,4	35	30-45	125	180	180	125	140	152	125	103	152	58			
40	48,3	44	40-48	148	195	212	138	155	170	138	111	170	75			
50	57/60,3	54	50-59	170	228	255	170	195	220	170	138	220	105			
65	76	76	60-70	215	300	300										

WG18

End-Caps

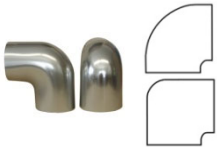
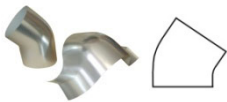
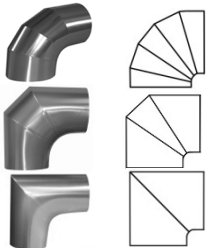
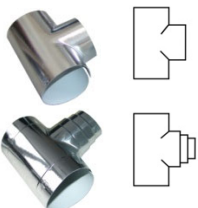
Total-Ø	€/piece	Total-Ø	€/piece	Total-Ø	€/piece	Total-Ø	€/piece	Total-Ø	€/piece
50-60	5,54	100-110	6,56	190-210	11,76	360-400	48,27	580-600	90,18
60-70	5,54	110-130	7,37	210-250	13,31	400-440	53,10	600-720	105,35
70-80	5,94	130-150	8,18	250-290	14,73	440-480	57,30		
80-90	6,18	150-170	8,99	290-330	16,36	480-530	68,66		
90-100	6,36	170-190	10,72	330-360	38,99	530-580	82,48		



Prices without VAT

Dimensions in mm

Form Parts **EKATEC**

Product	Picture	Info
EKATEC Foil		Rolls: 350μ, 1,2m x 25m (30m²) Sheets: Constant rolling tendency
EKATEC Bends S; and elbows W		S-Form: 90°, one-piece-form for insulated welded bends W-Form: 90°, for insulated elbows
EKATEC Bends 45°		45°-bends
EKATEC Bends segment-optic and angle-elbows		Moresegment-optic: Bends, one-piece-form Onesegment-optic: Angles, one-piece-form Angle-form: Angles, one-piece-form
EKATEC Tees (T-junctions)		Standard: Equal & unequal tees Multi-fit: Tee with multi-fit junction
EKATEC Boxes and end caps		Boxes For flanges or flange-armatures, without insulation material inside. With strengthening- ribs on the two half parts. End-caps For insulation ends or for boiler-tops
EKALIT End sleeves EKAFIX Accessories		End-sleeves made from aluminum or as alternative made from EKATEC multilayer-foil (on order) Accessories and tools for working with EKATEC jacketing system

Application

Pipe outside-Ø	Insulation Thickness											
	15	20	25	30	35	40	50	60	70	80	90	100
	Circumference C in cm incl. 3 cm overlapping											
12	17	20	23	26	29	32	39	45	51	58	64	70
17	18	21	25	28	31	34	40	47	53	59	65	72
18	19	22	25	28	31	34	41	47	53	59	66	72
21	20	23	26	29	32	35	41	48	54	60	67	73
22	20	23	26	29	32	36	42	48	54	61	67	73
27	21	25	28	31	34	37	43	50	56	62	68	75
28	22	25	28	31	34	37	44	50	56	63	69	75
33	23	26	30	33	36	39	45	52	58	64	70	77
35	24	27	30	33	36	40	46	52	58	65	71	77
42	26	29	32	36	39	42	48	54	61	67	73	79
48	28	31	34	37	41	44	50	56	63	69	75	81
57	31	34	37	40	43	47	53	59	65	72	78	84
60	32	35	38	41	44	47	54	60	66	73	79	85
64	33	36	39	42	46	49	55	61	68	74	80	86
70	35	38	41	44	47	51	57	63	69	76	82	88
76	37	40	43	46	49	52	59	65	71	78	84	90
83	39	42	45	48	52	55	61	67	74	80	86	92
89	41	44	47	50	53	57	63	69	75	82	88	94
102	45	48	51	54	58	61	67	73	79	86	92	98
108	47	50	53	56	59	63	69	75	81	88	94	100
114	49	52	55	58	61	64	71	77	83	90	96	102
127	53	56	59	62	65	68	75	81	87	94	100	106
133	55	58	61	64	67	70	77	83	89	96	102	108
140	57	60	63	66	69	73	79	85	91	98	104	110
159	63	66	69	72	75	79	85	91	97	104	110	116
168	66	69	72	75	78	81	88	94	100	106	113	119
194	74	77	80	83	86	90	96	102	108	115	121	127
219	82	85	88	91	94	97	104	110	116	123	129	135
245	90	93	96	99	102	106	112	118	124	131	137	143
267	97	100	103	106	109	112	119	125	131	138	144	150

Formula to calculate your appropriate size:

Circumference C = Total-Ø in mm (Incl. insulation thickness) · 3,14 + 30
the result is divided by 10 for cm!

EKATEC-sheets are produced on order!

Material: Multilayer plastic foil with aluminum in metal-look
antistatic, impact, curling effect

Foil thickness: 350µ

Length of sheets: 1,2 m

Overlapping: 30 mm (for bigger dimensions please calculate with more overlapping)

Other sizes on request.

>> SILVERCLADD foil in rolls: price on request <<

Packaging of rolls:

1 Roll: 1,20 m x 25m = 30 m²

1 Pallett: 63 Rolls à 30 m² = 1890 m²

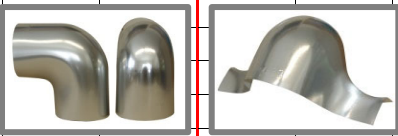


Prices without VAT

Dimensions in mm, if not written differently

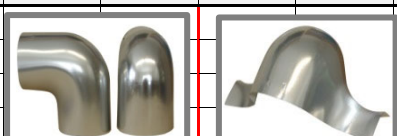
WG08

90° S for insulated bends

Pipe outside- Ø	Insulation Thickness									
	20 €/Pc.	25 €/Pc.	30 €/Pc.	40 €/Pc.	50 €/Pc.	60 €/Pc.	70 €/Pc.	80 €/Pc.	90 €/Pc.	100 €/Pc.
12	5,67									
15										
17/18	5,67	6,49	7,33	11,55	17,42					
21/22	5,75	7,02	7,55	11,55	18,12					
27/28	6,00	7,53	8,97	11,88	18,84					
33/35	7,01	9,22	9,65	18,84	19,36	30,14				80,10
42	7,76	9,90	11,50	19,36	20,03	31,56		56,57		
48	10,27	11,08	12,14	19,79	25,91	32,78	43,57	58,90		
54	10,52		12,70		26,88					
57/60	11,08	14,36	14,86	22,18	31,63	32,97		58,90	85,31	88,10
64	13,67		19,94		32,94	33,46				
70	19,36	20,00	20,63	29,81	35,86	34,60	44,77			
76	19,92	20,27	20,63	32,97	35,86	49,36	51,82	58,90	89,43	90,28
89	20,73	24,30	28,27	33,46	38,14	52,12	58,90	69,75		92,08
102	34,15	35,09	35,60	35,34	40,31					
108	36,31	37,65	38,14	45,70	51,37	64,08	69,49	84,79		96,37
114	36,79	38,14	39,71	47,61	51,82	67,86		84,79		98,48
133		61,37	63,88	83,17	84,79	93,55	87,19	108,87		101,31
140		64,19	88,59	85,31	86,73	98,24		116,63		128,74
159		71,06	91,11	86,93	89,51	103,67				138,62
168		77,28	94,04	120,41	129,53	133,14		125,33		150,31
194			99,40	131,91	131,91	134,32		164,73		164,93
219		79,15	102,25	135,44	137,60	164,45		166,10		167,29
245					164,45			167,29		
267					164,45			167,29		167,29
273					164,45			167,29		
324					164,45					

All sizes below and to the right of the red line only available in opened form

90° W for insulated elbows

Pipe outside- Ø	Insulation Thickness												
	9 €/Pc.	13 €/Pc.	15 €/Pc.	20 €/Pc.	25 €/Pc.	30 €/Pc.	40 €/Pc.	50 €/Pc.	60 €/Pc.	70 €/Pc.	80 €/Pc.	90 €/Pc.	100 €/Pc.
12		5,04	5,18										
15		5,18											
17/18	5,04	5,42	5,67	5,67	6,49	7,33	11,55	17,42					
21/22	5,42	5,42	5,67	5,75	7,02	7,55	11,55	18,12					
27/28		5,67	5,75	6,00	7,53	8,97	11,88	18,84					
33/35		5,75	6,00	7,01	9,22	9,65	18,84	19,36		32,97			
42			7,01	7,76	9,90	11,50	19,36	20,03		43,57	56,57	73,60	
48			8,14	10,27	11,08	12,14	19,79	25,91	32,78	43,57	58,90	73,60	
54			10,35	10,52									
57/60			10,83	11,08	14,36	14,86	22,18	31,63	32,97				88,10
70					20,00			35,86					
76			13,92	19,92	20,27	20,63	32,97	35,86			58,90		90,28
89				20,73	24,30	28,27	33,46	38,14			69,75		
114				36,79		39,71	47,61						98,48
140													128,74
168													150,31

All sizes to the right of the red line only available in opened form

Pc. = Piece

Prices without VAT

Dimensions in mm

Production on order!

90° Moresegment-optic

Total OD Ø incl. Insulation	Middle Radius	Qn. of segments	Package	Price €/Piece
40	30	4	200	5,18
50	35	4	200	5,67
60	40	4	200	5,67
70	50	4	150	7,01
80	60	4	150	7,76
90	60	4	100	9,65
100	70	4	60	11,50
110	70	4	60	12,70
120	80	4	60	14,86
130	80	4	60	19,96
140	90	4	40	22,18
150	90	4	25	32,97
160	95	4	25	33,46
170	100	4	25	35,86
180	110	4	25	35,86
190	110	4	25	38,14
200	125	4	25	44,77
210	120	4	25	44,77
220	130	4	25	51,82
230	130	4	25	58,90
240	145	4	10	69,75
250	155	5	10	69,75
260	190	5	10	88,10
270	140	5	10	90,28
280	150	6	10	92,08
290	230	6	10	92,08
300	180	6	10	96,37
310	145	6	10	98,48
320	215	6	10	98,48
330	230	6	10	101,31
340	190	6	10	128,74
350	215	7	10	138,62
360	215	7	10	138,62
370	230	7	10	138,62
380	305	7	10	164,93
390	375	7	10	164,93
400	270	7	10	164,93



Prices without VAT
Dimensions in mm
Production on order!



90° Angle-form

WG08

Size #Nr	Total OD Ø incl. insulation (outside diameter)		Package	Price €/ Piece
	mm	inch		
#2	40	1 4/7	100	5,40
#3	48	1 8/9	100	5,67
#4	53	2	100	5,89
#5	63	2 1/2	100	6,21
#6	69	2 5/7	100	6,90
#7	79	3 1/9	100	7,70
#8	83	3 1/4	100	9,03
#9	90	3 1/2	100	10,10
#10	103	4	100	11,69
#11	115	4 1/2	100	22,18
#12	128	5	100	32,97
#13	139	5 1/2	100	35,60
#14	160	6 2/7	50	47,61
#15	169	6 2/3	50	51,82



90° Onesegment-optik

Size #Nr	Total OD Ø incl. insulation (outside diameter)		Package	Preis €/Stück
	mm	Zoll		
#2	40	1 4/7	100	5,40
#3	48	1 8/9	100	5,67
#4	53	2	100	5,89
#5	63	2 1/2	100	6,21
#6	69	2 5/7	100	6,90
#7	79	3 1/9	100	8,17
#8	83	3 1/4	100	9,98
#9	90	3 1/2	100	12,06
#10	103	4	100	15,57
#11	115	4 1/2	100	22,18
#12	128	5	100	32,97
#13	139	5 1/2	100	35,60
#14	160	6 2/7	50	47,61
#15	169	6 2/3	50	51,82
#16	182	7 1/6	50	59,55
#17	202	8	50	68,53
#18	218	8 4/7	50	82,54
#19	246	9 2/3	50	90,05
#20	269	10 3/5	20	104,19
#21	300	11 4/5	20	119,85
#22	350	13 7/9	20	137,80
#23	400	15 3/4	20	164,93

WG08

45° - Bends

Total OD Ø incl. Insulation (mm)	Application (only example)	€/Piece
40	21-09	5,42
52	12-20	5,67
58	18-20	5,67
62	21-20	5,75
72	21-25	7,02
82	42-20	7,76
92	42-25	9,90
102	22-40	11,55
115	35-40	18,84
128	48-40	19,79
141	60-40	22,18
154	76-40	32,97
167	89-40	33,46
180	76-50	35,86
193	114-40	47,61
206	108-50	51,37
219	114-50	51,82
232	133-50	84,79
245	140-50	86,73
258	159-50	89,51
271	168-50	129,53



Prices without VAT

Dimensions in mm

Production on order!

WG08

Total Diameter from the Main Pipe (incl. insulation)

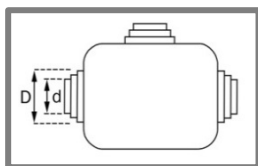
Total Ø Main Pipe	Total Ø Junction Pipe	Combination / Graduated Junctions (examples)	€/Piece
61	61-57	21-20 / 17-20	6,75
67	67-57	27-20 / 21-20 / 17-20	7,55
73	73-57	33-20 / 27-20 / 21-20 / 17-20	8,17
82	82-57	42-20 / 27-20 / 21-20 / 17-20	9,03
88	67-57	27-20 / 21-20 / 17-20	11,83
93	93-57	33-30/42-25/33-20/27-20/21-20/17-20	14,36
102	102-57	42-30 / 33-30 / 27-20 / 21-20 / 17-20	15,76
120	93-67	42-25 / 33-20 / 27-20	19,20
120	120-98	60-30 / 57-25 / 48-25	19,20
160	160-93	60-50 / 48-40 / 42-30 / 33-30	49,49



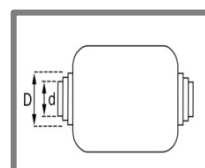
WG13

Boxes for flange-armatures

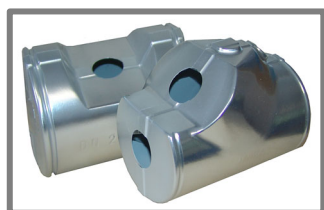
DN	Width mm	Depth mm	Length mm	d – D mm	€/ Piece
15-25	180	180	250	67 - 95	41,20
32	200	200	280	77 - 102	51,64
40	200	200	300	88 - 108	63,05
50	220	220	320	95 - 120	70,14
65	240	240	380	115 - 176	82,12
80	280	260	390	125 - 180	86,73
100	280	280	410	165 - 205	100,65
125	300	300	430	190 - 240	109,12
150	300	340	450	215 - 260	140,05

**Boxes for flanges**

DN	Total Ø mm	Length mm	d – D mm	€/ Piece
15	150	145	61 - 88	24,62
20	160	150	70 - 115	32,25
25	180	150	77 - 120	41,28
32	190	155	83 - 128	50,52
40	200	155	95 - 140	57,97
50	220	155	115 - 165	64,24
65	250	165	145 - 200	71,01
80	270	170	165 - 215	76,27
100	300	170	190 - 250	86,49
125	345	170	215 - 265	98,04



WG 13

Valve Boxes (each 2 parts to fix with tape)

DN	Schräg				Kugelhahn		
	Ø	Height	Length	€/Piece	Ø	Length	€/Piece
15	80	115	120	21,11	72	95	17,96
20	88	127	137	22,61	85	110	19,79
25	108	137	167	25,53	105	135	23,30
32	125	180	180	30,12	125	152	27,01
40	148	195	212	35,54	138	170	30,12
50	170	228	255	46,11	170	220	36,09
65	215	300	300	60,54			

WG09

End caps

Total Ø	€/Piece	Total Ø	€/Piece	Total Ø	€/Piece	Total Ø	€/Piece	Total Ø	€/Piece
50-60	6,95	100-110	8,71	190-210	17,15	360-400	54,42	580-600	129,37
60-70	6,95	110-130	10,80	210-250	20,08	400-440	57,34	600-720	151,20
70-80	7,15	130-150	12,30	250-290	36,84	440-480	57,89		
80-90	7,33	150-170	13,92	290-330	43,07	480-530	98,75		
90-100	7,89	170-190	15,52	330-360	47,35	530-580	121,19		

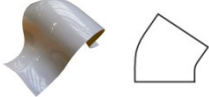
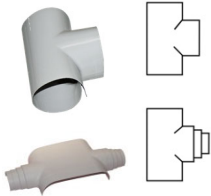


Prices without VAT

Dimensions in mm

Production on order!

Form Parts **EKAPLAST**

Product	Picture	Info
EKAPLAST Foil		Rolls: Light grey 1,0m x 25m (25m ²) Sheets: Constant rolling tendency
EKAPLAST Welded bends		2-piece-form: Bends, two-piece-form, welded on the back
EKAPLAST Bends 45°		2-piece-form: Up to Ø 189 mm 1-piece-form: From Ø 193 mm
EKAPLAST Tees (T-junctions)		Standard: Equal & unequal tees Multi-fit: Tee with multi-fit junction
EKALIT End sleeves EKAFIX Accessories		Endcappings made from aluminum Accessories and tools for working with EKAPLAST jacketing system

Application

Pipe Outside-Ø	Insulation Thickness											
	15	20	25	30	35	40	50	60	70	80	90	100
	Circumference C in cm incl. 3 cm overlapping											
12	17	20	23	26	29	32	39	45	51	58	64	70
17	18	21	25	28	31	34	40	47	53	59	65	72
18	19	22	25	28	31	34	41	47	53	59	66	72
21	20	23	26	29	32	35	41	48	54	60	67	73
22	20	23	26	29	32	36	42	48	54	61	67	73
27	21	25	28	31	34	37	43	50	56	62	68	75
28	22	25	28	31	34	37	44	50	56	63	69	75
33	23	26	30	33	36	39	45	52	58	64	70	77
35	24	27	30	33	36	40	46	52	58	65	71	77
42	26	29	32	36	39	42	48	54	61	67	73	79
48	28	31	34	37	41	44	50	56	63	69	75	81
57	31	34	37	40	43	47	53	59	65	72	78	84
60	32	35	38	41	44	47	54	60	66	73	79	85
64	33	36	39	42	46	49	55	61	68	74	80	86
70	35	38	41	44	47	51	57	63	69	76	82	88
76	37	40	43	46	49	52	59	65	71	78	84	90
83	39	42	45	48	52	55	61	67	74	80	86	92
89	41	44	47	50	53	57	63	69	75	82	88	94
102	45	48	51	54	58	61	67	73	79	86	92	98
108	47	50	53	56	59	63	69	75	81	88	94	100
114	49	52	55	58	61	64	71	77	83	90	96	102
127	53	56	59	62	65	68	75	81	87	94	100	106
133	55	58	61	64	67	70	77	83	89	96	102	108
140	57	60	63	66	69	73	79	85	91	98	104	110
159	63	66	69	72	75	79	85	91	97	104	110	116
168	66	69	72	75	78	81	88	94	100	106	113	119
194	74	77	80	83	86	90	96	102	108	115	121	127
219	82	85	88	91	94	97	104	110	116	123	129	135
245	90	93	96	99	102	106	112	118	124	131	137	143
267	97	100	103	106	109	112	119	125	131	138	144	150

Formula to calculate your appropriate size:

Circumference C = Total-Ø in mm (Incl. insulation thickness) · 3,14 + 30
the result is divided by 10 for cm!

Material: foil, free of halogens, with glossy surface,
 constant rolling tendency

Foil thickness: 350µ

Sheet length: 1,0 m

Overlapping: 30 mm (for bigger dimensions please calculate with more overlapping)

EKALPAST sheets are produced on order.

>> EKAPLAST foil in rolls: price on request <<

WG04

Circum- ference in cm	grey 1,0 m €/ Meter
16	2,30
18	2,49
20	2,71
21	2,76
22	2,98
23	3,13
24	3,22
25	3,31
26	3,40
27	3,66
28	3,69
29	3,77
30	4,03
31	4,25
32	4,36
33	4,46
34	4,55
35	4,72
36	4,97
37	5,04
38	5,23
39	5,40
40	5,44
41	5,64
42	5,72
43	5,81
44	5,97
45	6,20
46	6,38
47	6,48
48	6,52
49	6,67
50	6,76
51	6,99
52	7,15
53	7,29
54	7,41
55	7,50
56	7,68
57	7,81
58	7,87
59	8,12
60	8,27
61	8,50



Prices without VAT

Dimensions in mm, if not written differently

WG04

90° two-piece, welded bends

Pipe Outside- D.	Insulation Thickness																					
	20		25		30		35		40		45		50		60		70		80		100	
	Dim.	€/Pc.	Dim.	€/Pc.	Dim.	€/Pc.	Dim.	€/Pc.	Dim.	€/Pc.	Dim.	€/Pc.	Dim.	€/Pc.	Dim.	€/Pc.	Dim.	€/Pc.	Dim.	€/Pc.	Dim.	€/Pc.
15	18-20	2,79							18-40	5,59												
18	18-20	2,79	28-20	3,70	28-25	3,70			18-40	5,59												
22	22-20	2,79	35-20	3,70	22-30	4,16			22-40	5,84												
28	28-20	3,70	28-25	3,70	28-30	4,16			28-40	6,91												
35	35-20	3,70	35-25	4,16	35-30	4,16	48-30	5,59	35-40	7,69			35-50	10,59								
38	22-30	4,16	48-20	4,16	42-30	5,41	48-30	5,59	60-30	7,69												
42/44	22-30	4,16	35-30	4,16	42-30	5,41	60-30	7,69	42-40	9,10			42-50	13,04								
48	48-20	4,16	48-25	5,28	48-30	5,59	60-30	7,69	48-40	9,10	60-40	11,87	48-50	13,04								
54													54-50	15,51								
57/60	60-20	5,59	60-25	6,91	60-30	7,69	60-40	11,87	60-40	11,87	89-30	11,87	60-50	15,51	60-60	20,63						
64	64-20	7,02	64-25	7,69	64-30	7,69	70-35	11,87	70-40	13,56	60-50	15,51	70-50	17,50	64-60	22,01						
70	70-20	7,69	70-25	7,69	76-30	9,26	70-35	11,87	70-40	13,56	60-50	15,51	70-50	17,50	76-60	24,90	76-70	28,38	76-80	40,02		
76	70-25	7,69	76-25	7,69	76-30	9,26	70-40	13,56	76-40	16,56	70-50	17,50	76-50	18,58	76-60	24,90	76-70	28,38	76-80	40,02		
89			89-25	10,23	89-30	11,87	89-35	13,56	89-40	18,58	60-60	20,63	89-50	20,63	89-60	24,90			89-80	42,64	89-100	61,95
102	108-20	10,69			108-30	17,47	108-35	19,89	108-40	20,13	114-40	21,62	108-50	22,97	108-60	27,73			108-80	47,97	108-100	61,95
108	108-20	10,69			108-30	17,47	108-35	19,89	108-40	20,13	114-45	23,61	108-50	22,97	108-60	27,73	108-70	37,07	108-80	47,97	108-100	61,95
114	108-30	17,47			114-30	19,45	114-35	20,67	114-40	21,62	114-45	23,61	114-50	24,90	114-60	28,57	108-70	37,07	114-80	50,08	108-100	61,95
127					133-30	21,62	133-35	22,97	133-40	24,90	127-45	25,39	133-50	27,29	133-60	35,79	133-70	48,85	133-80	56,32	133-100	68,34
133					133-30	21,62	133-35	22,97	133-40	24,90	133-45	28,02	133-50	27,29	133-60	35,79	133-70	48,85	133-80	56,32	133-100	68,34
140									140-40	24,90	140-45	28,02	140-50	28,77	140-60	38,48	133-70	48,85	140-80	58,48	133-100	68,34
159									159-40	27,29	159-45	29,30	159-50	38,48	159-60	45,65	159-70	52,07	159-80	64,46	159-100	76,52
168									168-40	28,77			168-50	41,78	168-60	58,48			168-80	67,82	168-100	83,68
194													194-50	60,34	194-60	65,26					194-100	98,19
219													219-50	67,40	219-60	75,68			219-80	87,70	219-100	113,20
245																					245-100	127,49
267															267-60	86,74					267-100	137,71

Prices without VAT

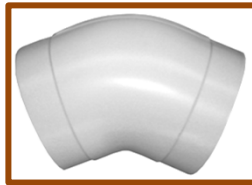
EKAPLAST bends are produced on order.

Dimensions in mm



45° - bends, grey

Pipe total OD Ø incl. Insulation	€/Piece
58	3,13
62	3,17
68	3,17
75	4,17
78	4,17
85	4,74
88	4,81
92	5,40
95	5,70
98	5,74
102	6,21
110	7,42
115	7,81
120	8,78
128	9,26
136	9,92
141	11,93
149	12,26
154/156	16,89
160	18,28
169	18,83
176/180	18,83
189	23,01
193*	22,03
206*	23,54
219*	25,36
232*	32,02
245*	33,48
258*	36,45
271*	41,41



Prices without VAT

Dimensions in mm

* 1-piece-bend, all others 2-piece, welded bends

EKAPLAST Elbows are produced on order.

WG04

Standard Tees, grey

		Total Diameter (incl. insulation)																												
		52	57	61	67	73	82	88	93	100	102	108	116	120	128	130	136	140	149	156	169	176	182	189	194	214	245	268	300	€/Piece
Total Diameter from the Main Pipe (incl. insulation)	52																													4,54
	57																													4,69
	61																													4,95
	67																													4,98
	73																													5,04
	82																													5,70
	88																													6,02
	93																													6,92
	100																													7,45
	102																													7,65
	108																													8,11
	116																													8,70
	120																													8,95
	128																													12,13
	130																													12,43
	136																													12,90
	140																													13,26
	149																													14,26
	156																													14,66
	160																													22,28
	169																													26,53
	176																													28,94
	182																													29,21
	189																													29,45
	194																													29,66
	214																													29,77
	245																													32,08
	268																													46,08



Only the colored dimensions available

90° tees with multi-fit junction

EKAPLAST is produced on order

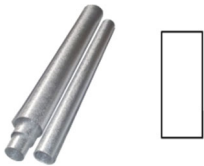
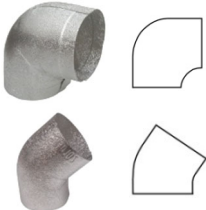
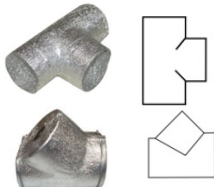
Total Ø Main Pipe	Total Ø Junction Pipe	Combination / Graduated Junctions (examples)	€/Piece
61	61-57	21-20 / 17-20	5,17
67	67-57	27-20 / 21-20 / 17-20	5,20
73	73-57	33-20 / 27-20 / 21-20 / 17-20	5,28
82	82-57	42-20 / 27-20 / 21-20 / 17-20	5,93
88	67-57	27-20 / 21-20 / 17-20	6,33
93	93-57	33-30/42-25/33-20/27-20/21-20/17-20	7,23
102	102-57	42-30 / 33-30 / 27-20 / 21-20 / 17-20	8,01
120	93-67	42-25 / 33-20 / 27-20	9,39
120	120-98	60-30 / 57-25 / 48-25	9,39
160	160-93	60-50 / 48-40 / 42-30 / 33-30	23,29



Prices without VAT

Dimensions in mm

Form Parts **EKAMAT**

Product	Picture	Info
EKAMAT Foil		Rolls: Rolls on request: approx.. 200μ rigid foil in 25m or 50m-rolls Sheets: Rolled, incl. overlapping
EKAMAT Bends		90°: 90°-bends, two-piece-form, welded on the back, Material thickness in the application table. Alternative up to the dimension 159-100: EKAMET segment-bends in aluminum Stucco-metal Al99,5 45°: 45°-bends, two-piece-form, welded on the back
Application table		for 90° bends and 90° and 45° SML bends
EKAMAT Tees Boxes		Tees / T-junctions Boxes for screwed valves without insulation material inside. These boxes consist of 2 half covers, which have holes for the pipe and the spindle + 2 fixing rings made from stainless steel
EKALIT End sleeves EKAFIX Accessories		End sleeves made from aluminum Accessories and tools for working with EKAMAT jacketing system

Application

Pipe Outside-Ø	Insulation Thickness												
	13	15	20	25	30	35	40	50	60	70	80	90	100
	Circumference C in cm incl. 3 cm overlapping												
12	15	17	20	23	26	29	32	39	45	51	58	64	70
17	17	18	21	25	28	31	34	40	47	53	59	65	72
18	17	19	22	25	28	31	34	41	47	53	59	66	72
21	18	20	23	26	29	32	35	41	48	54	60	67	73
22	19	20	23	26	29	32	36	42	48	54	61	67	73
27	20	21	25	28	31	34	37	43	50	56	62	68	75
28	20	22	25	28	31	34	37	44	50	56	63	69	75
33	22	23	26	30	33	36	39	45	52	58	64	70	77
35	23	24	27	30	33	36	40	46	52	58	65	71	77
42	25	26	29	32	36	39	42	48	54	61	67	73	79
48	27	28	31	34	37	41	44	50	56	63	69	75	81
57	30	31	34	37	40	43	47	53	59	65	72	78	84
60	31	32	35	38	41	44	47	54	60	66	73	79	85
64	32	33	36	39	42	46	49	55	61	68	74	80	86
70	34	35	38	41	44	47	51	57	63	69	76	82	88
76	36	37	40	43	46	49	52	59	65	71	78	84	90
83	38	39	42	45	48	52	55	61	67	74	80	86	92
89	40	41	44	47	50	53	57	63	69	75	82	88	94
102	44	45	48	51	54	58	61	67	73	79	86	92	98
108	46	47	50	53	56	59	63	69	75	81	88	94	100
114	47	49	52	55	58	61	64	71	77	83	90	96	102
127	52	53	56	59	62	65	68	75	81	87	94	100	106
133	53	55	58	61	64	67	70	77	83	89	96	102	108
140	56	57	60	63	66	69	73	79	85	91	98	104	110
159	62	63	66	69	72	75	79	85	91	97	104	110	116
168	64	66	69	72	75	78	81	88	94	100	106	113	119
194	73	74	77	80	83	86	90	96	102	108	115	121	127
219	80	82	85	88	91	94	97	104	110	116	123	129	135
245	89	90	93	96	99	102	106	112	118	124	131	137	143
267	96	97	100	103	106	109	112	119	125	131	138	144	150

Formula to calculate your appropriate size:

Circumference C = Total-Ø in mm (Incl. insulation thickness) · 3,14 + 30
the result is divided by 10 for cm!

Material: Aluminum Al99,5

grained structure, sheets are curled

Foil thickness: approx. 200µ

Sheet length: 1 m

Overlapping: 30 mm (for bigger dimensions please calculate with more overlapping)

Other sizes on request

>> EKAMAT grained foil rolls: price on request <<

Packed rolls 200µ rigid

Roll: 1,0 m x 25m = 25 m²

Pallett: 57 rolls à 25 m² = 1425 m²

Roll: 1,0 m x 50m = 50 m²

Pallett: 28 rolls à 50 m² = 1400 m²

Circum- ference in cm	Package in Meter	Order No.	Price €/ Meter
20	100	71020	6,52
22	100*	71022	7,14
23	100*	71023	7,30
24	100*	71024	7,73
25	100*	71025	8,46
26	100	71026	8,46
27	90	71027	8,77
28	90*	71028	9,25
29	90*	71029	9,61
30	60*	71030	9,94
32	60*	71032	10,42
33	60*	71033	10,73
34	60*	71034	11,01
36	60*	71036	11,62
38	60*	71038	12,57
40	40*	71040	13,03
42	40*	71042	13,57
44	40*	71044	14,27
46	40*	71046	14,83
48	40	71048	15,69
50	40	71050	17,67
52	40	71052	17,79
54	40*	71054	18,55
56	20	71056	19,11
58	20	71058	19,57
60	20	71060	20,01
62	20	71062	20,69
64	20	71064	21,41
65	20	71065	21,55
66	20	71066	22,04
68	20	71068	22,64
69	20	71069	22,71
70	20	71070	22,91
72	20	71072	23,17
73	20	71073	24,62
74	20	71074	24,91
76	20	71076	25,28
77	20	71077	25,73
78	20	71078	26,16
80	20	71080	26,30
81	20	71081	26,94
84	20	71084	27,85
86	20	71086	28,30
88	20	71088	28,92
90	20	71090	29,65
92	20	71092	30,39
94	20	71094	30,67
96	20	71096	31,01
98	20	71098	31,82
100	20	71100	32,21

* the signed sizes are on stock



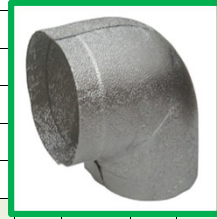
Prices without VAT

Dimensions in mm, if not written differently

WG72

90°

Pipe Outside-φ	Insulation Thickness																					
	13		20		25		30		35		40		50		60		70		80		100	
	Pck.	€/Pc.	Pck.	€/Pc.	Pck.	€/Pc.	Pck.	€/Pc.	Pck.	€/Pc.	Pck.	€/Pc.	Pck.	€/Pc.	Pck.	€/Pc.	Pck.	€/Pc.	Pck.	€/Pc.	Pck.	€/Pc.
12			100	6,67																		
15	100	6,90					50	8,58														
18	100	6,90	100	6,90	100*	7,45	50	8,58	50*	8,75	40	9,79	40*	11,71								
22	100	7,17	100	7,17	100*	7,86	50	8,70	50*	9,22	40	9,79	40*	11,71								
28	100	7,45	100	7,45	50*	8,70	50	8,75	40*	9,79	40	9,96	40	14,02								
35	100*	7,17	100	7,86	50*	8,70	50	9,22	50*	9,79	40	11,07	40	15,16								
38			100	8,70			50	9,79			40	11,71										
42/44	100*	7,45	50	8,70	50*	9,22	50	9,79	40*	11,07	40	11,71	30	15,48	20*	24,62						
48	100*	7,86	50	8,75	50*	9,79	50	9,96	50*	11,07	40	14,02	30	20,50	20*	24,62						
54							50	11,07	40*	11,71	40	15,16	25	20,50	20*	26,45						
57/60	50*	8,70	50	9,79	50*	9,96	50	11,07	30*	14,02	40	15,16	25	20,50	20	26,45			10*	40,88		
64			50*	9,96	50*	11,07	50	11,71	30*	14,43	30	15,48	20*	24,62	20	32,31	15*	32,61	10*	40,88		
70	50*	9,79	50*	9,96	50*	11,07	30	14,02	40*	15,16	25	20,50	20*	24,62	20*	32,31	15*	37,29	10*	45,00		
76			50*	11,07	50*	11,71	30	14,43	25*	20,01	25	20,50	20	26,45	20	32,31	15	37,29	10	45,00		
89			30*	14,02	30*	14,43	25	20,01	25*	22,32	25	24,62	20	32,31	20	32,61	10*	40,88	20	48,66	10	59,01
102			25*	20,01	25*	22,32	25	22,32	25*	24,62	20*	32,31	15*	32,61	10*	40,88	10*	47,84	10*	53,20		
108			25*	20,01	25*	22,32	25	24,62	25*	26,45	20	32,31	15	32,61	10	40,88	10*	47,84	10	53,20	10*	71,09
114			25*	22,32	25*	24,62	25	26,45	20*	32,31	15	32,31	15*	42,56	10	45,00	10*	49,84	10*	62,76	10	71,09
127			25*	24,62	25*	26,45	15*	32,31	15*	32,31	15	32,61	10*	40,88	10	47,84	10*	53,20	10	69,02		
133			25*	26,45	15*	32,31	15*	32,31	15*	32,61	15*	37,29	10*	45,00	10	49,84	10	62,76	10*	71,09	10	74,42
140			25*	32,31	15*	32,31	15*	32,61			15	42,56	10*	47,84	10	51,07	10	69,02	10*	71,09	10	80,41
159			15*	32,31	15*	32,61	15*	42,56			10*	47,84	10*	51,07	10	62,76	10*	71,09	10*	74,42	10	83,01
169					15*	42,56	15*	40,88			10*	47,84	10	52,34	10	69,02	10*	71,09	10*	80,41		
219													10*	74,42			10*	83,01				



The marked dimensions * are multi-fit dimensions - please have a look on the application table.

45°

Total-Ø	Application (only example)	€/Piece	Pack.
62	21-20	6,76	100
72	33-20	6,94	100
82	42-20	7,51	50
88	28-30	7,51	50
95	35-30	7,51	50
102	42-30	8,98	50
108	48-30	8,98	50
115	35-40	8,98	50
122	42-40	8,98	50
128	48-40	8,98	50

45°

Total-Ø	Application (only example)	€/Piece	Pack.
141	62-40	10,18	50
154	76-40	10,71	25
167	89-40	13,20	25
184	60-60	14,05	20
193	114-40	14,81	25
215	114-50	17,47	20
236	114-60	19,96	20
258	159-50	23,22	20
300	194-50	26,33	20
345	140-100	41,44	20



Prices without VAT

Dimensions in mm

Application Table **EKAMAT** Bends Made From Grained-Aluminum

Application for 90°-Bends

Pipe Outside-Ø	Insulation Thickness										
	13	20	25	30	35	40	50	60	70	80	100
12		12-20									
15	15-13			15-30							
18	18-13	18-20	28-20	18-30	28-30	18-40	42-40				
22	22-13	22-20	35-20	22-30	35-30	22-40	42-40				
28	28-13	28-20	22-30	28-30	22-40	28-40	28-50				
35	22-20	35-20	42-20	35-30	42-30	35-40	35-50				
38		22-30		38-30		38-40					
42/44	28-20	42-20	35-30	42-30	35-40	42-40	42-50	42-60			
48	35-20	48-20	42-30	48-30	60-30	48-40	48-50	48-60			
54				54-30	42-40	54-40	54-50	76-50			
57/60	42-20	60-20	60-25	60-30	70-30	60-40	60-50	60-60		108-60	
64		48-30	54-30	64-30	76-30	64-40	89-40	64-60	89-60	108-60	
70	60-20	48-30	60-30	70-30	60-40	70-40	89-40	76-60	76-70	76-80	
76		60-30	64-30	76-30	89-30	76-40	76-50	76-60	76-70	76-80	
89		89-20	76-30	89-30	102-30	89-40	89-50	89-60	108-60	89-80	89-100
102		89-30	102-30	102-30	108-30	89-50	108-50	108-60	127-60	108-80	
108		89-30	102-30	108-30	114-30	108-40	108-50	108-60	127-60	108-80	114-100
114		102-30	108-30	114-30	108-40	114-40	140-40	114-60	133-60	133-70	114-100
127		108-30	114-30	108-40	114-40	127-40	108-60	127-60	108-80	169-60	
133		114-30	108-40	114-40	127-40	76-70	133-50	133-60	133-70	114-100	133-100
140		108-40	114-40	127-40		140-40	127-60	140-60	169-60	114-100	140-100
159		114-40	127-40	140-40		127-60	140-60	133-70	114-100	133-100	159-100
169			140-40	108-60		127-60	169-50	169-60	114-100	140-100	
219							133-100		159-100		



Standard material thickness 200µ, BOLD printed dimensions are made in the thickness of 300µ.

Application for 90° and 45° SML, KG und HT Bends

90°

DN	Insulation Thickness (mm)		
	20	30	40
50	42-30	42-40	89-30
70	60-30	60-40	89-40
100	89-30	76-50	89-50
125	114-30	76-60	76-70
150	127-40	114-60	133-60
200	89-80	133-70	114-100

45°

DN	Insulation Thickness (mm)		
	20	30	40
50	102	128	154
70	128	154	167
100	154	167	193
125	167	193	
150	193		258
200			

① SML = Sewer pipes made of cast iron

① KG = Sewerage pipes

① HT = High temp. pipes

WG77

Tees

Diameter		€/ Piece
Main Pipe	Junct. Pipe	
58	58	6,76
62	62	6,94
68	62	7,51
68	68	7,51
75	75	8,98
81	81	8,98
84	84	8,98
87	87	9,22
95	95	10,06
104	104	10,06
108	108	10,31

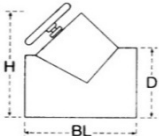
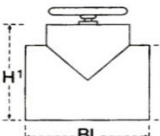
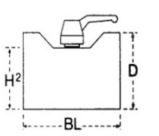
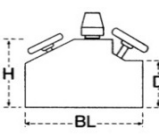


WG78

Boxes

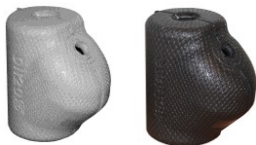
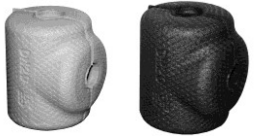
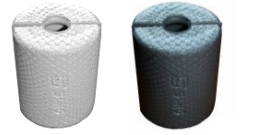
DN	μ Material Thickn.				
		Diagonal €/Piece	Straight €/Piece	Ball-Valve €/Piece	Multitherm €/Piece
15	200	32,36	27,61	27,61	34,94
20	200	34,94	30,60	30,60	39,90
25	200	39,90	36,50	36,50	47,91
32	300	47,91	43,04	43,04	
40	300	55,02	46,62	46,62	
50	300	73,77	57,74	57,74	

Dimensions of Boxes

																
DN	Pipe Outside-ø		Insul. Thickn.	Diagonal			Straight			Ball-Valve				Multitherm		
	Fe	Cu		D	H	BL	D	H	BL	D	H²	BL	F	D	H	BL
15	21,3	18	20-27	80	115	120	72	80	95	72	55	95	36	70	90	142
20	26,9	22	20-31	88	127	137	85	95	110	85	68	110	45	80	102	160
25	33,7	28	30-38	108	137	167	105	110	135	105	83	135	54	103	123	176
32	42,4	35	30-45	125	180	180	125	140	152	125	103	152	58			
40	48,3	44	40-48	148	195	212	138	155	170	138	111	170	75			
50	57/60,3	54	50-59	170	228	255	170	195	220	170	138	220	105			

Prices without VAT

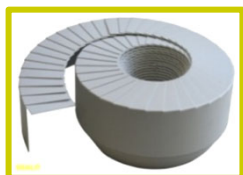
Dimensions in mm

EKATHERM-FL		EKA Frost-FL		DN	Inch	Pipe Ø mm	Price per piece	Product Picture
PE-Boxes light grey		PE-Boxes dark grey						
Order No.	Package	Order No.	Package					
Diagonal, universal, for all standard diagonal valves								
93s15	100	93fs15	12	15	1/2	18-21	22,32 €	
93s20	70	93fs20	9	20	3/4	22-27	24,51 €	
93s25	45	93fs25	8	25	1	28-33	26,82 €	
93s32	25	93fs32	6	32	1 1/4	35-42	32,76 €	
93s40	15	93fs40	4	40	1 1/2	44-48	51,42 €	
93s50	8	93fs50	4	50	2	54-60	56,22 €	
93s65	4	93fs65	4	65	2 1/2	76	85,32 €	
Straight for all standard straight valves								
93g15	100	93fg15	12	15	1/2	18-21	22,32 €	
93g20	95	93fg20	8	20	3/4	22-27	24,51 €	
93g25	60	93fg25	7	25	1	28-33	26,82 €	
93g32	35	93fg32	6	32	1 1/4	35-42	32,76 €	
93g40	20	93fg40	5	40	1 1/2	44-48	51,42 €	
93g50	11	93fg50	4	50	2	54-60	56,22 €	
Ball, für ball valves with short spindle								
93k15	100	93fk15	18	15	1/2	18-21	22,32 €	
93k20	96	93fk20	14	20	3/4	22-27	24,51 €	
93k25	60	93fk25	8	25	1	28-33	26,82 €	
93k32	36	93fk32	6	32	1 1/4	35-42	32,76 €	
93k40	28	93fk40	5	40	1 1/2	44-48	51,42 €	
93k50	14	93fk50	4	50	2	54-60	56,22 €	
Ball ROUND, for ball valves with long spindle								
93r15	100	93fr15	18	15	1/2	18-21	22,32 €	
93r20	96	93fr20	12	20	3/4	22-27	24,51 €	
93r25	60	93fr25	8	25	1	28-33	26,82 €	
93r32	36	93fr32	6	32	1 1/4	35-42	32,76 €	
93r40	28	93fr40	5	40	1 1/2	44-48	51,42 €	
93r50	14	93fr50	4	50	2	54-60	56,22 €	
Multitherm								
93m15	105	93fm15	9	15	1/2	18-21	22,32 €	
93m20	75	93fm20	7	20	3/4	22-27	24,51 €	
93m25	45	93fm25	6	25	1	28-33	26,82 €	
Diagonal TA (STAD)								
93t20	36	93ft20	8	10/15/20	3/8 - 3/4	15-27	32,76 €	
93t32	22	93ft32	5	25/32	1 - 1 1/4	28-42	51,42 €	
93t40	16	93ft40	4	40	1 1/2	44-48	59,76 €	
93t50	11	93ft50	4	50	2	54-60	69,05 €	
Diagonal, universal, slim fit for tight spaces								
93c40	21	93fc40	21	40	1 1/2	44-48	51,42 €	
93c50	12	93fc50	12	50	2	54-60	56,22 €	
AB-QM, for Danfoss valves								
93q20	8	93fq20	8	15/20	1/2 - 3/4	18-27	32,64 €	
93q32	5	93fq32	5	25/32	1 - 1 1/4	28-42	55,14 €	
Box for flange valves*								
93a020	10	93fa020	10	15/20	1/2 - 3/4	18-27	65,58 €	
93a025	8	93fa025	8	25	1	28-33	69,47 €	
93a032	6	93fa032	6	32	1 1/4	35-42	81,33 €	
93a040	5	93fa040	5	40	1 1/2	44-48	91,61 €	
93a050	3	93fa050	3	50	2	54-60	103,65 €	
93a065	2	93fa065	2	65	2 1/2	76	122,08 €	
93a080	2	93fa080	2	80	3	89-102	141,75 €	
93a100	1	93fa100	1	100	4	108-114	164,62 €	
93a125	1	93fa125	1	125	5	133-140	187,47 €	
Box for dirt separators (filter) or diagonal valves with flanges*								
93as025	5	93fas025	5	15/20/25	1/2 - 1	18-33	88,00 €	
93as032	4	93fas032	4	32	1 1/4	35-42	100,00 €	
93as040	3	93fas040	3	40	1 1/2	44-48	120,00 €	
93as050	2	93fas050	2	50	2	54-60	159,00 €	
Box for watermeter*								
93w25	6	93fw25	6	Q 2,5	bis 1 1/2	bis 48	55,62 €	

* Production on Order

Aluminum

For Insulation Thickn.	Package and Delivery Quantities						Aluminum		
	Meter p.Roll	Meter p.Cartn	Package in Meter	Meter p.Roll	Meter p.Cartn	Package in Meter	Aluminum Group 82	Grey Colored Group 81	Red+Blue Group 83
							€/ Meter	€/ Meter	€/ Meter
10	5	25	300	10	50	800	2,25	2,55	-
15	5	25	300	10	50	800	2,25	2,55	-
20	5	25	300	10	50	800	2,25	2,55	2,93
25	5	25	300	10	50	800	2,55	2,93	3,14
30	5	25	300	10	50	800	2,55	2,93	3,14
40	5	25	150	10	50	450	3,52	4,05	4,47
50	5	25	150	10	50	450	4,00	4,76	5,30
60				10	50	200	4,58	5,71	6,02
70				10	50	200	5,30	6,40	-
80				10	50	200	6,02	7,34	-
100				10	50	200	7,66	9,00	-



Plastic *

For Insulation Thickn.	Packages and Delivery Quantities						Group 84			
	Meter p.Roll	Meter p.Cartn	Package in Meter	Meter p.Roll	Meter p.Cartn	Package in Meter	Grey** PVC	Black* PVC	White* PVC	Alu-optic* EKATEC
							€/ Meter	€/ Meter	€/ Meter	€/ Meter
15	5	25	300	10	50	450	2,55	2,93	2,93	6,40
20	5	25	300	10	50	450	2,55	2,93	2,93	6,40
25	5	25	300	10	50	450	2,93	3,14	3,14	7,14
30	5	25	300	10	50	450	2,93	3,14	3,14	7,14
40	5	25	150	10	50	450	4,05	4,47	4,47	8,50
50	5	25	150	10	50	450	4,76	5,30	5,30	9,22

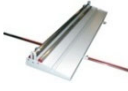
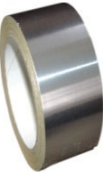
* Production on order

** Production of bigger dimensions in PVC only on request!

Prices without VAT

Dimensions in mm

Accessories / tools for working with plastic jacketing

Product	Order No.	Pack.	€/Pack.	Picture	Product	Order No.	Pack.	€/Pack.	Picture
EKAFIX PVC-tape grey 25 mm x 25 m	97f2525	Roll	5,68		EKAFIX brush 13 mm	97fpin	100 Pc.	134,62	
EKAFIX PVC-tape, grey 30 mm x 25 m	97f3025	Roll	5,68		EKAFIX cutting table 1 m, for Rolls	97fst100	Piece	649,58	
EKAFIX PVC-tape, white 30 mm x 33m	97f3033w	Roll	6,73		EKAFIX cutting table 1,2 m, for rolls	97fst120	Piece	772,31	
EKAFIX tape EKATEC (metal look) 25 mm x 25 m	97c2525	Roll	7,22		EKAFIX cutting table 1,4 m, for rolls	97fst140	Piece	862,40	
EKAFIX tape EKATEC (metal look) 30 mm x 25 m	97c3025	Roll	8,66		EKAFIX legs for EKAFIX-cutting table	97fstz1	Piece	316,64	
EKAFIX tape EKATEC (metal look) 50 mm x 50 m	97c5050	Roll	29,05		EKAFIX measure profile for cutting table 1 m (90 cm with scale 105cm)	97fstz100	Piece	73,61	
EKAFIX tape (halogen free) grey, 19mm x 25m for EKAPLAST-jacketing	97p1925	Roll	5,61		EKAFIX measure profile for cutting table 1,2 m (110 cm with scale 105cm)	97fstz120	Piece	77,50	
EKAFIX tape (halogen free) grey, 25mm x 25m for EKAPLAST-jacketing	97p2525	Roll	7,28		EKAFIX measure profile for cutting table 1,4 m (130 cm with scale 105cm)	97fstz140	Piece	81,34	
EKAFIX tape (halogen free) grey, 30mm x 25m for EKAPLAST-jacketing	97p3025	Roll	8,55		EKAFIX knife for cutting table	97fstz2	Piece	87,84	
EKAFIX spatula for EKATEC tapes	97cr	Piece	2,10		EKAFIX roll blades for knives	97fstz3	Piece	33,42	
EKAFIX plastic rivets grey EKAFIX plastic rivets white	97fn1 97fn2	1000 Pc.	5,83		EKAFIX Knife, 6 Inch.	97fsm	Piece	14,46	
EKAFIX tool for rivets - straight EKAFIX tool for rivets - angle	97fn3 97fn4	Piece	4,01		EKAFIX scissor 9 Inch.	97fs	Piece	30,29	
EKAFIX tool for rivets kombined: straight + angle	97fn5	Piece	4,01						
EKAFIX rivet tool PREMIUM: kombined: straight + angle	97fn6	Stück	8,74						
EKAFIX tacker MP-10 for plastic staples	97fmp1	Stück	52,46						
EKAFIX plastic staples in light grey for tacker MP-10	97fmp2	1000 Stück	23,89						

Prices without VAT

Accessories / tools for working with EKAMAT-jacketing

Product	Art. Nr.	Pack.	€/Pack.	Picture
EKAFIX tool for metal rivets	97gn1	Piece	38,24	
EKAFIX metal rivets	97gn2	1000 pieces	50,60	
EKAFIX tacker L4CS for EKAMAT jacketing system	97gtm1	Piece	147,99	
EKAFIX staples (galvanized) 1/2" for EKAFIX-tacker L4CS	97gtm2	Piece	21,51	
EKAFIX staples stainless steel 1/2" for EKAFIX-tacker L4CS	97gtm4	5000 pieces	71,12	
EKAFIX staples (galvanized) 3/8" for EKAFIX-tacker L4CS	97gtm3	5000 pieces	21,51	
EKAFIX-tacker Spredex 7 for EKAMAT (Discontinuation, only stock sale)	97gts1	1 piece	92,21	
EKAFIX staples 11/10mm f. tacker Spredex 7 (galvanized)	97gts2	5000 pieces	14,51	
EKAFIX plastic rivets for EKAMAT jacketing system	97gn5	1000 pieces	16,78	
EKAFIX tool, straight or angled for plastic rivets	97gn3 97gn4	Piece	5,38	

* On demand

Prices without VAT

Accessories / tools for working with EKATHERM-FL boxes

Product	Art. Nr.	Pack.	€/Pack.	Picture
Spindle-stopper* for the diagonal (universal) boxes DN15, Ø22 x 20mm	97ts122	50 Stück	8,52	
Spindle-stopper* for the diagonal (universal) boxes DN20, Ø24 x 20mm	97ts124	50 Stück	8,52	
Spindle-stopper* for the diagonal (universal) boxes DN25/32/40, Ø30 x 20mm	97ts130	50 Stück	9,06	
Spindle-stopper* for the diagonal (universal) boxes DN50, Ø34 x 20mm	97ts134	50 Stück	9,06	
Fixing-clips, light grey	97tc1	50 Stück	10,92	
Fixing-clips, dark grey	97tc2	50 Stück	10,92	
Hole-tool 18mm	97tlpf	1 Stück	29,39	

General Terms and Conditions of Trade of Sebald Iso-Systeme GmbH & Co.KG · Bahnhofstrasse 40 · D-93161 Sinzing

1. Scope

- 1.1 The general terms and conditions of trade apply for all services and all business transactions between the Customer and Sebald Iso-Systeme GmbH & Co.KG, hereafter referred to as the "Company".
- 1.2 The general terms and conditions of trade are accepted by the Customer by placement of the order and they apply for the entire duration of the business relationship.
- 1.3 Deviations from these general terms and conditions of trade, supplementary side agreements and additional arrangements must be in written form.
- 1.4 The general terms and conditions of trade apply even if the customer has communicated or communicates own general terms and conditions of trade in deviation from those of the Company or if these are printed on documents from the Customer and particularly on the order letter.

Objection is hereby raised to any contradictory general terms and conditions of trade of the Customer.

2. Contract Formation

- 2.1 The offers of the Company are non-binding.

Details in catalogues etc. represent only a requirement for the submission of offers by the Customer.

In turn, the Customer is bound by offers for 14 calendar days from receipt of the offer by the Company.
- 2.2 Details of the Company in catalogues and other documents are considered to be guaranteed without explicit agreement.
- 2.3 The Company is entitled to withdraw from the contract if the Customer fails to meet the payment obligations despite the setting of a period of grace, if the Customer becomes insolvent, or if the Customer fails to fulfil the obligations from other contracts with the Company.
- 2.4 Claims of the Customer from contracts agreed with the Company are not transferrable without the consent of the Company.

3. Prices

- 3.1 The prices according to the offer / order confirmation from the Company or alternatively according to the price list valid at the time of contract formation are binding.
- 3.2 Prices are understood from the distribution centre of the Company and the Customer must cover the delivery costs for packaging, transport etc.
- 3.3 If there are more than four months between contract formation and delivery of the goods to the Customer then the sale price valid on the date of delivery shall apply.

In the context of continuing obligations and mutual commercial transactions, the Company is entitled to increase the prices agreed with the Customer in the case of proven increases in the Company's own costs particularly for self-delivery, wage increases, freight, taxes and charges, and similar.

4. Contract Performance

- 4.1 The Company is entitled to make partial deliveries.

In the case of agreed delivery free to the construction site, the obligation of the Company refers to delivery without unloading in the context of surfaced access options.

- 4.2 Performance dates are considered to be deadlines only in the case of explicit written agreement.
- 4.3 If the Company is entitled to claim compensation for damages due to breach of contract by the Customer and particularly in the case of non-acceptance of the goods then, subject to proof of greater damages, the Company can demand a flat rate of compensation of 20 % of the order total unless the Customer proves that the Company has incurred no damages or that lesser damages have been incurred.

5. Terms of Payment

- 5.1 In the case of an ongoing business relationship, deliveries to the Company are payable within 10 days from the invoice date at discount of 2 % or in full within no more than 30 days.

In all other cases, the Customer must make payment on delivery.

A payment discount is granted only under the condition subsequent that the Customer is not in default on the settlement of other invoices.

The net invoice amount after deduction of discounts, freight etc. is definitive for calculation of the payment discount.

- 5.2 The Company may invoice separately for partial deliveries.

The above terms apply for the invoicing of partial deliveries.
- 5.3 From the commencement of default of payment by the Customer, the Company is entitled to charge dunning fees of 5.00 Euro per reminder.

Default interest is charged at the rate of 8 % over the respective basic rate of interest although at a minimum of 10 % p.a.

This does not affect other claims of the Company.
- 5.4 The Customer is not entitled to offset claims of the Company against own or assigned claims of third parties if these claims are disputed by the Company and/or have not been established as legally binding.

6. Risk Assumption

If the goods are ready for dispatch then the risk is transferred to the Customer on transfer of the goods to the person/company responsible for shipping.

7. Retention of Title

- 7.1 The goods delivered remain the property of the Company until full payment of all accounts outstanding from the contractual relationship and other business relationships with the Customer, irrespective of the legal grounds, as well as of any secondary claims.
- 7.2 The Customer is not permitted to pledge or transfer as security any goods that are subject to retention of title.

Until revocation by the Company, the Customer is however entitled within the normal course of business to process and sell the goods that are subject to retention of title.

As security, the Customer hereby assigns to the Company, which accepts the assignment, the accounts receivable from third parties due to resale, processing or another legal transaction with respect to the goods that are subject to retention of title.

The Customer is however not entitled to resell or further process the goods that are subject to retention of title if the accounts receivable from the third parties as a result of these legal transactions cannot be passed on to the Company due to prior assignment of receivables by the Customer particularly as a result of blanket assignments.

If the Customer meets the payment obligations in full then the Customer is entitled to collect the assigned accounts receivable.

If the Customer fails to meet the payment obligations then the Company is entitled to indicate this to the Customer's buyer and to demand payment to the Company.

At any time on demand, the Customer is obliged to inform the Customer of the names and addresses of the buyers (third party debtors) and the amounts of the accounts receivable from them.

On demand by the Company, the Customer is obliged to advise Customer buyers of the existing retention of title and of the assignments of accounts receivable and to instruct the buyers to make payments to the Company or to issue the Company with the information required for the assertion of its rights against the buyers and to provide documentation.

- 7.3 If the Customer defaults on payment then the Company can reclaim from the Customer the goods that are subject to retention of title; without an explicit written declaration, this does not represent the exercise of a right of withdrawal.

In the event that the goods are reclaimed, the Customer essentially remains obliged to fulfil the contract.

The Company is entitled by discretionary sale to realise the reclaimed goods in order to offset the outstanding accounts receivable.

The costs of reclamation and realisation shall be borne by the Customer.

- 7.4 If the Customer is entitled to claim against insurers or other third parties as a result of damage to the goods that are subject to retention of title or as a result of other causes then these claims together with all ancillary rights will be assigned to the Company in advance in place of the realisable value and to the same extent.

The Company hereby accepts these assignments.

8. Guarantee

- 8.1 Immediately after delivery, the Customer must exercise the care and thoroughness that can be reasonably expected of the same under the given circumstances in checking deliveries and services from the Company for contractual compliance when the delivery is made to the Customer or to the third party designated by the same.

Guarantee claims for obvious defects in deliveries from the Company are excluded if not claimed in

writing against the Company within a limitation period of two weeks after receipt of the delivery or, in the case of subsequent appearance of the obvious defect, within two weeks from this time.

The provision of § 377 of the German commercial code is not affected in the case of a commercial purchase.

- 8.2 The following applies in the case of the existence of guarantee claims by the Customer:

At its discretion, the Company shall address defects by provision of a replacement or by repair within a reasonable period, which is generally three weeks.

In the event of failure of the repair or replacement, the Customer can choose a reduction in the payment or, if the object of the liability for defects is not a construction service, demand cancellation of the contract; this must be done in writing.

The repair/replacement has failed if two attempts at repair/replacement by the Company have remained unsuccessful and it is unreasonable to expect the Customer to accept further attempts.

Further claims of the Customer including such as are for compensation for damages not incurred by the goods themselves (consequential damages) are excluded subject to the provision under figure 9 of these general terms and conditions of trade.

9. Liability

As far as is legally permissible and irrespective of the legal grounds, compensation claims for damages against the Company are limited to a maximum sum equivalent to the gross order value.

10. Place of Performance, Legal Domicile and Legal System

10.1 D-93161 Sinzing is agreed as the place of performance.

10.2 Regensburg is agreed as the legal domicile.

10.3 German law is agreed as applicable exclusively for all contracts between the Company and the Customer.

The application of the United Nations Convention on Contracts for the International Sale of Goods is excluded.

11. Miscellaneous

11.1 The Company is entitled to save and use the data and information obtained in the context of the business relationship in accordance with the German federal data protection act.

11.2 The complete or partial invalidity of individual clauses of these terms and conditions of trade shall not affect the validity of the remaining clauses.

In place of the invalid provision, a valid provision shall apply, which is as close as possible to the economic purpose sought by the invalid provision.

11.3 These terms and conditions are a translation of the German language version of the same. In the event of a conflict or discrepancy between the versions, the German language version shall prevail.

EKAFOL

PVC jacketing systems



EKATEC

Multilayered jacket with aluminium optic



EKAMAT

Grained aluminium jacketing system



EKAMET

Metal jacketing system



Our cladding systems are available from our approved wholesalers located throughout Europe.